

U.S. EPA Region 5 Targeted Brownfield Assessment Grant funded Project

**COMPREHENSIVE SITE INVESTIGATION REPORT
FOR THE
BLACKHAWK DRIVE
381 BLACKHAWK DRIVE
PARK FOREST, COOK COUNTY, ILLINOIS**

Prepared for:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V
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Chicago, Illinois 60604

and

**Village of Park Forest
Economic Development and Planning**
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LIST OF ACRONYMS

µg/kg	Microgram per kilogram	mg/L	Milligram per liter
µg/L	Microgram per liter	NFR	No Further Remediation
%	Percent	ORP	Oxidation-reduction potential
°	Degree	PCB	Polychlorinated biphenyl
Accutest	Accutest Laboratories of New England	PID	Photoionization detector
AST	Aboveground storage tank	ppm	Parts per million
ASTM	American Society for Testing and Materials	QAPP	Quality Assurance Project Plan
bgs	Below ground surface	RCRA	Resource Conservation and Recovery Act
Cabeno	Cabeno Environmental	REC	Recognized Environmental Condition
cm	Centimeters	SAP	Sampling and Analysis Plan
COC	Constituent of concern	sec	Second
CSIR	Comprehensive Site Investigation Report	Site	Blackhawk Drive
DO	Dissolved oxygen	SRO	Soil remediation objective
EDR	Environmental Data Resources, Inc.	SRP	Site Remediation Program
foc	Fraction organic carbon	START	Superfund Technical Assessment and Response Team
ft	Foot or feet	SVOC	Semivolatile organic compound
ft ²	Square feet	TACO	Tiered Approach to Corrective Action Objectives
IAC	Illinois Administrative Code	U.S. EPA	United States Environmental Protection Agency
IEPA	Illinois Environmental Protection Agency	VOC	Volatile organic compound
LUST	Leaking underground storage tank	WESTON	Weston Solutions, Inc.
mg/kg	Milligram per kilogram	yr	Year
TBA	Targeted Brownfields Assessment		
TCL	Target Compound List		
TCLP	Toxicity Characteristic Leaching Procedure		
TPH	Total petroleum hydrocarbon		

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EXECUTIVE SUMMARY

This report is a Comprehensive Site Investigation Report for the Blackhawk Drive (Site), located at 381 Blackhawk Drive in Park Forest, Cook County, Illinois. This report was prepared under a Targeted Brownfields Assessments (TBA) Grant for the United States Environmental Protection Agency in response to a request from the Village of Park Forest (VPF) to perform a Phase II Environmental Site Assessment (ESA) to assess whether there are environmental impacts at the Site.

The objective of this report is to provide documentation of the results of the investigation and receive a Comprehensive No Further Remediation (NFR) letter from the Illinois Environmental Protection Agency Site Remediation Program in accordance with 35 Illinois Administrative Code (IAC) Part 740. The NFR letter will address all of the constituents in 35 IAC Part 740, Appendix A.

The Site has a history of being utilized as an automobile oil change facility. The Site building is currently vacant with surrounding parking lot and landscaped areas.

Weston Solutions, Inc. (WESTON) conducted the Site investigation activities between June 19 and July 3, 2012. The investigation included the advancement of 12 soil borings, installation of three monitoring wells, the collection of soil and groundwater samples, and hydraulic conductivity testing of the wells.

Soil samples were analyzed for the Target Compound List (TCL) constituents provided in 35 IAC Part 740, Appendix A including volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), metals, cyanide, toxicity characteristic leaching procedure (TCLP) metals, synthetic precipitation leaching procedure (SPLP) iron and manganese (at one location), and pH. Two investigative soil samples (one surface and one subsurface) were also analyzed for TCL polychlorinated biphenyls (PCBs) and pesticides. Groundwater samples were analyzed for TCL VOCs, SVOCs, and metals provided in 35 IAC Part 740, Appendix A.

RECOMMENDATIONS

Based on the findings of this investigation, WESTON recommends the issuance of a Comprehensive No Further Remediation letter.

Upon receipt of the NFR letter, it will be recorded with the Cook County Assessor's Office.

Additionally, and upon receipt of a NFR Letter, the property owner will be responsible for having the on-site monitoring wells abandoned in accordance with Illinois Department of Public Health 1994 Illinois Water Well Construction Code Section 920.120.

1. INTRODUCTION

The Weston Solutions, Inc. (WESTON[®]) Superfund Technical Assessment and Response Team (START) has prepared this Comprehensive Site Investigation Report (CSIR) for the Blackhawk Drive (Site), located at 381 Blackhawk Drive, Cook County, Illinois, as shown in **Figure 1-1**. This report was prepared under a Targeted Brownfields Assessments (TBA) Grant for the United States Environmental Protection Agency (U.S. EPA) in response to a request from the Village of Park Forest (VPF) to perform a Phase II Environmental Site Assessment (ESA) to assess whether there are environmental impacts at the Site.

WESTON developed the Phase II ESA scope of work based on the findings and recommendations of the Phase I ESA field visit completed on January 19, 2011, and the information contained in the subsequent Phase I ESA report prepared by Weaver Boos Consultants dated February, 2011. The TBA/Phase II ESA was performed in accordance with the following approved plans prepared by WESTON:

- *Sampling and Analysis Plan (SAP)* dated June 12, 2012
- *Quality Assurance Project Plan (QAPP) Addendum* for the Site dated June 12, 2012
- *Targeted Brownfields Assessment Grant Program Quality Assurance Project Plan (Generic QAPP)* dated October 2009

The objective of this report is to provide documentation of the results of the investigation and receive a Comprehensive No Further Remediation (NFR) letter from the Illinois Environmental Protection Agency (IEPA) Site Remediation Program (SRP) in accordance with 35 Illinois Administrative Code (IAC) Part 740. Specifically, this report contains the following sections:

- **Introduction** – This section provides the site characterization and includes a description of the site history, general site geology/hydrogeology, migration pathways and exposure routes, and current and future use of the property.
- **Field Activities** – This section includes a description of the project sampling objectives, summarizes the types, quantities, and locations of samples that were collected, and provides a narrative description of field activities, site-specific geology and hydrogeology, and analytical results.

- **Endangerment Assessment** – This section includes a comparison of the soil analytical results to the lowest applicable Tier 1 Soil Remediation Objectives (SRO) for Industrial/Commercial Properties presented in Appendix B, Table B of 35 IAC Part 742, Tiered Approach to Corrective Action Objectives (TACO), and to the lowest applicable Tier 1 SROs for the Construction Worker as presented in Appendix B, Table B of TACO. Groundwater analytical results are compared to Class I Groundwater Remediation Objectives presented in Appendix B, Table E of TACO.
- **Conclusions and Recommendations** – This section presents a summary of the site characterization and presents the conclusions and recommendations based on the sample analytical results.

1.1 PROJECT OBJECTIVES

The primary objective of the project is to obtain a Comprehensive NFR letter for the Site located at 381 Blackhawk Drive in Park Forest, Cook County, Illinois. A Comprehensive NFR letter will make approximately 0.70 acres available for redevelopment. The purpose of this CSIR is to provide the information necessary for a comprehensive site investigation; as well as, to facilitate prompt delivery of a Comprehensive NFR letter.

1.2 SITE DESCRIPTION

The Site is located at 381 Blackhawk Drive in Park Forest, Illinois (**Figure 1-1**). The property is rectangular in shape and consists of two parcels (31-35-202-014-0000/017-0000) totaling approximately 0.70 acres, with approximately 135 feet of frontage along Blackhawk Drive (**Figure 1-2**). The Site consists mostly of an asphalt surface cover with an approximate 1800 square foot one-story (plus basement) commercial building which was constructed in 1998. The building is located approximately in the northern central portion of the site with asphalt paved parking surrounding the building. Small trees and shrubs are located on the eastern side of the property. The Site is bordered to the north by a commercial property with Sauk Trail beyond, to the east by Blackhawk Drive with commercial properties beyond, to the west by a commercial property with Central Park Avenue beyond, and to the south by residential properties with Miami Street beyond.

The site building is currently unoccupied. The site building was occupied by Lube Renew from 1998 to approximately 2004. Lube Renew operated as an automobile oil change facility. Prior

to this, a restaurant operated at the Site from approximately 1988 to 1998. Prior to 1988, the property was undeveloped land.

First Midwest Bank is the current property owner. However, the Village of Park Forest has been approached by several fast food restaurants that may be interested in obtaining the property.

1.2.1 Topography and Regional Geology

The Site generally slopes to the south and southwest. The ground surface elevation in the area of the Site is approximately 727-feet above mean sea level (amsl). According to the Phase I ESA Report (**Appendix A**), the property is underlain by unconsolidated clayey and silty tills of the Wedron Formation, which overlies Silurian age carbonate bedrock. The top 3.5 feet (ft) of soil at the Site consists of mostly silt and clay materials.

1.2.2 Regional Hydrogeology

Based on Phase I report prepared by Weaver Boos, the Site is believed to be underlain by unconsolidated clayey and silty tills of the Wedron Formation, overlying Silurian age carbonate bedrock. The bedrock stratigraphy in the vicinity of the Site In the vicinity of the Site, is composed of a thick sequence of Paleozoic sedimentary rocks that generally consist of carbonate rocks of Silurian age near the ground surface. Published information suggests bedrock is encountered at depths greater than 50 feet in the vicinity of the Site. The regional near-surface hydrostratigraphic units are broken into two general aquifers: a shallow aquifer zone that may or may not be present in the glacial drift and a deeper aquifer in the underlying bedrock aquifers.

The groundwater flow direction is dependent on the geologic unit in which it occurs; however, surface topography at the Site generally slopes toward the south and southwest. The Phase I report suggests that groundwater flow beneath the Site may potentially be to the east toward Thorn Creek, located approximately 1.55 miles southeast of the property. However, limited groundwater flow information gathered during the monitoring well activities indicated that flow may be to the north.

1.2.3 Surface Water

The nearest surface water body is Thorn Creek which is located approximately 1.55 miles southeast of the property. Storm water from the building roof is directed to a drainage swale west of the Site. In addition, storm water from the paved and grassy areas appear to be directed to a drainage swale west of the building.

1.3 RECOGNIZED ENVIRONMENTAL CONCERNS

Based on the information obtained from the 2011 Phase I ESA, Weaver Boos identified the following recognized environmental conditions (RECs) associated with the Site.

- The potential presence of impacts associated with the Spill Incident (H2008-0749) and the current presence of approximately three feet of water that has come into contact with the petroleum storage containers in the basement of the building. The Spill incident and interviews in the Phase I indicate that the Park Forest Fire Department responded to a fire alarm at the property on January 2, 2008. A series of letters between Jan 10, 2008 and July 23, 2008 indicated that several inches to several feet of water was observed in the basement contaminated with oil. In the July 23, 2008 letter the Park Forest Fire Department indicated that a 250-gallon oil container had overturned, spilling its contents into the basement. Weaver Boos considered the historical Spill Incident, the presence of contaminated waters, and the current water in the basement along with the motor oil AST in the basement of the building to all combined meet the definition of a recognized environmental condition. And,
- The potential presence of impacts migrating onto the Property from the historic and current presence of underground storage tanks (USTs) and four open leaking underground storage tanks (LUST) incidents on the northern adjoining property. According to the Phase I report, the northern adjoining property, occupied by Speedway Gas Station, has nine USTs registered to the site with three gasoline USTs currently active. Four LUST incidents are currently open at the site with no NFR letters. Surface topography is generally slightly to the south and southwest which would position the USTs upgradient to the Site. Based on the number of current and historic USTs and open LUST incidents at the northern adjoining property and the northern and adjoining property to be topographically and potentially hydraulically upgradient, Weaver Boos considers this to meet the definition of a recognized environmental condition

1.4 POTENTIAL SOURCES, MIGRATION PATHWAYS, AND EXPOSURE ROUTES

Since 1998, the Site has had a history of being utilized as an automotive oil change facility. Based on historical property use and RECs identified during the Phase I ESA investigation, the primary sources of potential contamination are the Spill incident that occurred in the building basement and potential contamination for nearby LUST sites. Based on these RECs, soil or groundwater contamination could be present at the site.

The primary potential migration pathway includes the leaching of soil constituents to groundwater from the Spill Incident detailed in the Phase I or offsite contamination from nearby LUST sites. The other potential exposure routes include ingestion of impacted soil, inhalation of constituents volatilized from soil, and ingestion of impacted groundwater.

1.5 LEGAL DESCRIPTION

A copy of the legal description for the property is presented in **Appendix B**.

1.6 SOURCES AND REFERENCES

Bouwer, H. and R.C. Rice, 1976. A slug test method for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells, *Water Resources Research*, vol. 12, no. 3, pp. 423-428.

Bouwer, H., 1989. The Bouwer and Rice slug test--an update, *Ground Water*, vol. 27, no. 3, pp. 304-309.

Fetter, C. W., 1994. *Applied Hydrogeology*, Fourth Edition.

Illinois Environmental Protection Agency. Title 35 of the Illinois Administrative Code (IAC), Subtitle G: Waste Disposal. Chapter I: Pollution Control Board. Subchapter f: Risk Based Cleanup Objectives. Part 742: Tiered Approach to Corrective Action Objectives.

Illinois Environmental Protection Agency. *Water Quality Standards*. 35 IAC Part 302.

Weaver Boos Consultants. Phase I Environmental Site Assessment - 381 Blackhawk Drive. February 2011.

U.S. EPA, 2003. *Ecological Soil Screening Level for Iron*, OSWER Directive 9285.7-69.

2. FIELD ACTIVITIES

This section presents a description of the site characterization field activities conducted by WESTON on the Blackhawk Drive Site between June 19 and July 3, 2012. Site characterization field activities were conducted in accordance with the site-specific QAPP Addendum and SAP. Field activities included soil boring and soil sample collection, monitoring well installation and development, groundwater sampling, and hydraulic conductivity testing.

2.1 SITE-SPECIFIC SAMPLING AND ANALYSIS PLAN

WESTON's complete site-specific QAPP Addendum and SAP were prepared for, and approved by, the U.S. EPA. The site-specific QAPP Addendum and SAP contain a description of the project sampling objectives; summarize the types, quantities, and locations of samples collected; and describe the decontamination, sample packaging, and shipment procedures. The laboratory procedures and analytical requirements for the sampling were provided in the approved site-specific Generic QAPP and site-specific QAPP Addendum. Standard operating procedures for drilling, sampling, and well installation were presented in the Generic QAPP.

The sampling program included the collection and analysis of soil and groundwater samples. The overall objective of the field activities was to determine the nature and extent of constituents listed in the Target Compound List (TCL). The TCL is found in Appendix A of 35 IAC, Part 740 – Site Remediation Program (SRP). The field investigation objectives were achieved through advancement of soil borings, installation of monitoring wells, and collection of soil and groundwater samples. The following sections document any deviations from the sampling plan as well as results of the soil and groundwater investigation.

2.2 DEVIATIONS FROM QAPP/SAP ADDENDUM

The QAPP Addendum and SAP included advancing one soil boring in the basement of the Site building to an established depth of 8 to 10-feet bgs. One surface sample just below the basement sub-base and a minimum of one subsurface soil sample was proposed to be collected from the most highly impacted interval as determined by visual observations or PID field readings.

However, the basement was under several feet of water due to no electricity to the building and the backup of water in the basement sumps. The property owner brought a pump, pumping full time to remove water from the basement. However, when the basement was down to just wet floor with most standing water removed, the water beneath the basement was still under pressure. When the driller tried to core through the floor, the water continued to flow into the basement. Therefore, a soil boring was not installed and a soil sample was not collected from underneath the basement. When the water in the basement was pumped down, the basement floor was inspected for cracks, staining, depression, and unsealed joints that would allow a release to adversely impact the underlying soil. No obvious cracks or other potential pathways excluding the sump were noted. No odors were observed and no elevated PID readings were noted during the drilling attempt.

Since the water appeared to be under pressure, the City of Park Forest was contacted to determine if there was the potential of an ongoing water line break in the immediate vicinity of the site. The Village of Park Forest and the Park Forest Fire Department collected a water sample from the basement on June 27, 2012. Although specific results were not provided, the Village of Park Forest sent an email stating that testing had been completed and the water coming into the basement was determined to be groundwater. It was not treated water and is not the result of a water main break.

2.3 SOIL INVESTIGATION

Soil sampling was conducted on June 19, 2012. A total of 6 soil borings, BH-SB01 through BH-SB06 were advanced at the Site using a Geoprobe. Soil borings were installed at locations on the property most likely to have contamination based on the review of the historical information available for the Site. **Figure 2-1** presents the soil sampling locations. Cabeno Environmental (Cabeno) of Joliet, Illinois conducted soil boring using a Geoprobe. Three soil borings, BH-SB01 through BH-SB03, were advanced to a depth of 20 ft below ground surface (bgs). This depth was approximately 10 feet below the anticipated invert elevation of the basement concrete slab to determine the presence of elevated constituents near the water-bearing zone. Soil borings SH-SB04 and SH-SB06 were advanced to a depth of 15 ft bgs. Soil boring SH-SB05 was advanced to a depth of 17 ft bgs. In accordance with American Society for Testing and Materials

(ASTM) Method D-6282, continuous soil samples were collected using macrocore samplers. A qualified WESTON geologist described each soil sampling interval using the Unified Soil Classification System. Soil descriptions were recorded onto a WESTON boring log to create a detailed record of the lithology and potential contaminant characteristics of each boring. Descriptions were provided of any fill materials, odors, discoloration, or staining suggesting the presence of contamination. In accordance with the SAP, each 2-foot depth interval was field screened using a photo-ionization detector (PID) and headspace screening techniques. All PID readings were zero. **Appendix C** provides the soil boring logs.

2.3.1 Site Geology

The Site geology was characterized during field activities. The generalized Site geology is depicted on two cross-sections. **Figure 2-2** presents the locations of the geologic cross-sections. **Figures 2-3** and **2-4** present cross-sections A-A' and B-B'.

The subsurface material encountered during the field investigation indicates the presence of discontinuous fill to a maximum depth of 3 ft bgs. The fill layer is composed primarily of sandy silt across a majority of the site uniformly underlain by clayey silt to a maximum of 8 ft bgs. The clayey silt is underlain by clay glacial till to an observed depth of 20 ft bgs. Fine to medium grained discontinuous sand lenses were observed in this layer. The maximum depth of the clay glacial till layer was not determined as part of this investigation.

2.3.2 Soil Sampling and Analysis

A total of 12 investigative soil samples (and one field duplicate) were collected from the 6 soil boring locations. One surficial soil sample was collected from each of the 6 sampling locations from a depth of 0 to 2 ft bgs. Typically, subsurface samples are collected from the suspected most highly impacted interval as determined by visual and/or olfactory evidence of contamination or PID field readings. However, there no visual signs of petroleum type contamination, no PID readings, and no odors were noted at any of the borings. Since no obvious signs of contamination were evident, the subsurface soil sample was collected from the bottom 2-ft unsaturated interval of the soil core. This procedure was used due to the approximate depth of the basement of the Site building at 10 ft bgs. The subsurface samples for BH-SB01 through SB03 were collected from 18

to 20 ft bgs. The subsurface samples for BH-SB04 and SB06 were collected from 13 to 15 ft bgs. The subsurface sample for BH-SB05 was collected from 15 to 17 ft bgs.

The WESTON-procured laboratory, Accutest Laboratories of New England (Accutest) of Marlborough, Massachusetts analyzed the samples for TCL constituents provided in 35 IAC Part 740, Appendix A including volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), metals, cyanide, toxicity characteristic leaching procedure (TCLP) metals, and pH. Two investigative soil samples (BH-SB05 and BH-SS-05) were also analyzed for TCL polychlorinated biphenyls (PCB), pesticides, and total petroleum hydrocarbons (TPH) as diesel range organics (DRO) and gasoline range organics (ORO). One field duplicate was collected for quality assurance/quality control purposes in accordance with the SAP. **Table 2-1** presents the sampling and analysis summary.

All soil generated during soil sampling activities was containerized in 55-gallon drums and were picked up on October 15, 2012 for disposal at Tradebe Treatment and Recycling LLC in East Chicago, Indiana.

2.3.3 Soil Sampling Analytical Results

Analytical results from soil samples indicate the presence of VOCs, SVOCs, TPH as GRO, TPH as DRO, and inorganics at concentrations above the method detection limits. **Tables 2-2** and **2-3** present all the soil sampling analytical results for organics and inorganics, respectively. Soil sampling analytical results were reviewed and validated in accordance with applicable U.S. EPA procedures. The data validation reports are included in **Appendix D**.

2.4 GROUNDWATER INVESTIGATION

The groundwater investigation consisted of the installation, development, groundwater sampling, and hydraulic conductivity testing of three monitoring wells, BH-MW01 through BH-MW03. **Figure 2-1** presents the monitoring well locations.

2.4.1 Monitoring Well Design, Installation, and Development

Cabeno performed monitoring well installation and development. Monitoring wells were constructed of 2-inch diameter flush-threaded polyvinyl chloride riser pipe and 0.010-inch slotted screen. A 10-foot screen was used for well construction and was located in such a manner as to straddle the inferred water table. A silica sand pack was placed in the borehole annulus around the well screen to a height of 2 ft above the top of the screen. A 3-ft-thick bentonite pellet/chips seal was placed directly above the sand pack. Potable water was used to hydrate the bentonite seal. The remainder of the borehole annulus was filled with grout and hydrated. **Appendix C** provides the monitoring well construction diagrams.

A flush-mounted protective cover was set in a concrete pad (approximately 2 ft in diameter), which was sloped to divert rainwater away from the protective cover. The monitoring wells were developed approximately 24 hours after installation. Well development was conducted using a surge block and a submersible pump. During the development process, the well was alternatively surged with the surge block and then purged of groundwater. Purged groundwater generated during monitoring well development, as well as sampling activities, was containerized in 55-gallon drums and was picked up on October 15, 2012 for disposal at Tradebe Treatment and Recycling LLC in East Chicago, Indiana.

2.4.2 Groundwater Sampling and Analysis

Groundwater sampling was conducted approximately 48 hours after well development. In order to obtain samples that are representative of aquifer conditions, groundwater samples were obtained using a low-flow purging and sampling technique. Each well was purged at a rate of approximately 100 milliliter per minute using a bladder pump until field parameters showed the groundwater conditions to be stable. Field measurements (specific conductance, pH, oxidation-reduction potential [ORP], temperature, dissolved oxygen [DO], and turbidity) were obtained at five-minute intervals. Groundwater sampling commenced once stabilization was achieved for three readings, pH (± 0.1 standard units), specific conductance (± 3 percent [%]), ORP (± 10 millivolts), DO (± 0.3 milligrams per liter [mg/L]), temperature ($\pm 0.5^{\circ}\text{C}$), turbidity ($\pm 10\%$). **Table 2-4** presents the field parameters collected during monitoring well purging.

The WESTON-procured laboratory, Accutest analyzed the groundwater samples for TCL VOCs, SVOCs, and TAL metals provided in 35 IAC Part 740, Appendix A. **Table 2-5** presents the groundwater sampling and analysis summary.

2.4.3 Groundwater Sampling Analytical Results

Analytical results from groundwater samples indicate the presence of VOCs, SVOCs, and inorganics at concentrations above the method detection limits. **Table 2-5** presents all of the groundwater sampling analytical results.

2.4.4 Site Hydrogeology

The monitoring wells were installed in a saturated clay layer with fine to coarse grains sand layers located at approximately 10 to 17 ft bgs. Monitoring wells MW-01 and MW-03 are screened from 8 to 18 ft bgs within saturated clay layer from approximately 11 to 17 ft bgs. Monitoring well MW-02 is screened from 10 to 20 ft bgs within the same saturated clay layer. The clay/sand layer identified at each of these locations is presumed to be the primary zone yielding water to the monitoring wells.

2.4.4.1 Groundwater Flow

Depth to water levels were collected prior to monitoring well sampling. Upon completion of monitoring well installation. However, wells were not surveyed for vertical control. Each of the soil boring and monitoring well location was surveyed by WESTON using a Trimble Pro XR global positioning system for lateral control. The accuracy of the lateral field survey measurements was approximately +/- 3 ft.

Figure 2-5 presents the groundwater elevations and the potentiometric surface based on the elevations. Flow across the Site appears to be northerly. The hydraulic gradient across the site, based on the potentiometric surface contours on **Figure 2-5** is calculated to be approximately 0.2 ft/ft.

2.4.4.2 Hydraulic Conductivity

Hydraulic conductivity of the water-bearing zone encountered at the Site was estimated by aquifer testing (slug tests) of the three monitoring wells on July 3, 2012. Both rising and falling head tests were conducted by inserting and subsequently removing an inert slug from each well. The data were evaluated using the Bouwer and Rice (1976, 1989) solution method. Analysis was completed using AQTESOLV, version 4.50, software. **Table 2-6** presents the hydraulic conductivity testing results. **Appendix E** presents the data and associated plots for hydraulic conductivity tests. Results show that hydraulic conductivity in the water-bearing zone ranged from 2.4×10^{-6} to 4.2×10^{-4} centimeters per second (cm/sec) with a geometric mean of 2.2×10^{-5} cm/sec.

2.4.4.3 Groundwater Flow Velocity

Horizontal groundwater flow velocity was calculated using the following equation:

$$v = \frac{Ki}{n_e}$$

Where:

v	=	horizontal flow velocity, or linear seepage velocity (cm/sec)
K	=	hydraulic conductivity (cm/sec)
i	=	flow gradient (ft/ft)
n _e	=	effective porosity (%)

The effective porosity of a sand/silty sand, the primary water yielding zone in the subsurface, is estimated to be 40%. This is within the range of porosity, 25% to 50%, provided by Fetter (1994), for a sand or silty sand. The groundwater elevation change between BH-MW01 and NP-MW02 is 2.55 ft. The gradient across the Site is approximately 0.2 ft/ft. With an effective porosity of 40%, an overall geometric mean of hydraulic conductivity of 2.2×10^{-5} cm/sec, and a hydraulic gradient of 0.2 ft/ft, the groundwater flow velocity is estimated to be 2.2×10^{-5} cm/sec, or 6.3×10^{-2} ft/day, or 10.12 ft/year (yr).

2.4.5 Justification for Groundwater Classification

In accordance with 35 IAC Section 620.201, all groundwater in the State of Illinois is designated as Class I (Potable Resource Groundwater), Class II (General Resource Groundwater), Class III (Special Resource Groundwater), or Class IV (Other Groundwater). For purposes of establishing a Tier 1 SRO for the soil component of the groundwater ingestion exposure route, only Class I and Class II groundwater are considered. Based on the information presented in Subsection 2.2.4, the water-bearing zone at the Site should be designated as Class II.

As specified in 35 IAC Section 620.210, Class I (Potable Resource Groundwater) is:

- a) Groundwater located 10 ft or more below the land surface and within:
 - 1) The minimum setback zone of a well which serves as a potable water supply and to the bottom of such well
 - 2) Unconsolidated sand, gravel or sand and gravel which is 5 ft or more in thickness and that contains 12 % or less of fines (i.e. fines which pass through a No. 200 sieve tested according to ASTM Standard Practice D2488-84, incorporated by reference at Section 620.125)
 - 3) Sandstone which is 10 ft or more in thickness, or fractured carbonate which is 15 ft or more in thickness
 - 4) Any geologic material which is capable of a
 - A. Sustained groundwater yield, from up to a 12 inch borehole, of 150 gallons per day or more from a thickness of 15 ft or less
 - B. Hydraulic conductivity of 1×10^{-4} cm/sec or greater using one of the following test methods or its equivalent
 - i. Permeameter
 - ii. Slug test
 - iii. Pump test
- b) Any groundwater which is determined by the Board pursuant to petition procedures set forth in Section 620.260, to be capable of potable use. (Board Note: Any portion of the thickness associated with the geologic materials as described in subsections 620.210(a)(2), (a)(3) or (a)(4) should be designated as Class I: Potable Resource Groundwater if located 10 ft or more below the land surface.)

Section 620.220 specifies that Class II (General Resource Groundwater) is:

- a) Groundwater which does not meet the provisions of Section 620.210 (Class I), Section 620.230 (Class III), or Section 620.240 (Class IV)
- b) Groundwater which is found by the Board, pursuant to the petition procedures set forth in Section 620.260, to be capable of agricultural, industrial, recreational or other beneficial uses

The Site is not within a minimum setback zone of a potable water supply; the water-yielding zone is not greater than 5 ft in thickness, is not likely to contain less than 12% fines, is not a sandstone, is not likely to produce greater than 150 gallons per day, and has a hydraulic conductivity less than 1×10^{-4} cm/sec. Thus, the criteria for Class I groundwater cannot be met and the Site groundwater is considered Class II.

3. ENDANGERMENT ASSESSMENT

This section presents a detailed description of the nature and extent of contamination as identified in the soil and groundwater investigation. As discussed in Section 2, a total of 12 investigative soil samples and one field duplicate were collected from 6 soil boring locations, and one round of groundwater sampling was conducted from three Site monitoring wells.

3.1 TIERED APPROACH TO CORRECTIVE ACTION OBJECTIVES TIER 1 EVALUATION PROCEDURES

3.1.1 Soil

The Tier 1 SROs provided in TACO for residential properties and construction worker were used to evaluate the soil sampling analytical results. Organic constituents detected in soil were compared to the most conservative SRO from the ingestion, inhalation, and soil component of the groundwater ingestion exposure route for Class II groundwater as provided in 35 IAC Part 742, Appendix B, Table B to evaluate compliance with the SROs for residential.

The total metal concentrations were compared against the most conservative SRO from the ingestion and inhalation exposure routes provided in 35 IAC Part 742, Appendix B, Table B as well as the pH-specific SROs for the soil component of the groundwater ingestion exposure route provided in 35 IAC Part 742, Appendix B, Table C. TCLP metal concentrations were compared

to the SROs soil for the soil component of the groundwater ingestion exposure route for Class II groundwater. A metal was only considered to be above the Tier 1 SROs if the total, TCLP, and SPLP concentrations exceeded SROs. In all cases, the Tier 1 SROs were considered to be met if the analyte was below the typical background concentration provided in 35 IAC Part 742 Appendix A, Table G, in accordance with 35 IAC Part 742.415(b).

To evaluate potential risk to the construction worker, soil analytical results were compared to the SROs provided in 35 IAC Part 742, Appendix B, Table B. The most conservative SRO from the inhalation and ingestion exposure route was used to evaluate compliance with the SROs.

3.1.2 Groundwater

The water-bearing zone investigated at the Site was classified as Class II groundwater. Based on this classification, groundwater analytical results were compared to the Tier 1 groundwater remediation objectives for Class II groundwater.

3.2 SOIL DATA EVALUATION

Soil sampling analytical results indicated the presence of VOCs, SVOCs, and inorganics (metals and cyanide) at concentrations above the method detection limits. The soil sampling analytical results are provided in **Tables 2-2** and **2-3** for the organic and inorganic constituents, respectively. **These tables also include shading to identify concentrations that exceeded SROs.**

None of the soil samples had concentrations exceeding the selected SROs with the following exceptions: TCLP iron (BH-SB04 at a depth of 13 – 15 ft bgs) and TCLP manganese (BH-SS05 at a depth of 0 – 2 ft bgs) were detected in one sample exceeding their respective SROs for the soil component of the groundwater migration exposure pathway for Class I groundwater. However, the corresponding total iron and SPLP iron and total manganese and SPLP manganese did not exceed the respective SROs for the soil component of the groundwater ingestion exposure route. Thus, iron and manganese are not contaminants of concern and no contaminants of concern were identified in the soil samples.

3.3 GROUNDWATER DATA EVALUATION

Analytical results from groundwater samples collected from the Site indicated the presence of VOCs, SVOCs, and metals at concentrations above the method detection limits. While detected in groundwater, none of the concentrations for VOCs, SVOCs or metals exceeded groundwater remediation objectives. All groundwater analytical results are provided in **Table 2-5**. No constituents exceeded the groundwater remediation objectives.

3.4 NATURE AND EXTENT OF CONTAMINATION

3.4.1 Soil

Although a spill occurred historically inside the existing site building and although neighboring properties are gas stations with potential unresolved LUST sites, the only constituents at the site that exceeded SROs were TCLP iron and TCLP manganese. Both TCLP iron and TCLP manganese were also analyzed as SPLP iron and SPLP manganese with no SRO exceedances. Therefore, there is no current soil contamination at the site above SROs that needs to be addressed.

3.4.2 Groundwater

No constituents were detected at a concentration exceeding the respective groundwater remediation objectives.

4. CONCLUSIONS AND RECOMMENDATIONS

The Site investigation activities were conducted between June 19 and July 3, 2012. As discussed in Section 2, a total of 12 investigative soil samples and one field duplicate were collected from 12 soil boring locations, and three groundwater samples were collected from the three installed monitoring wells. The following conclusions and recommendations were made based on the sampling analytical results.

4.1 SUMMARY OF SITE CONDITIONS

- The Site subsurface consists of a fill layer overlying a silty clay, with a saturated clayey silt zone that produces enough water to collect groundwater samples.
- The groundwater beneath the Site is classified as Class II groundwater.
- No visual signs of staining or petroleum related contamination was noted.
- No elevated PID readings were recorded during the soil boring or monitoring well installations. No odors were noted.
- No obvious cracks, staining, depression, unsealed joints or other potential pathways were noted from the basement area, except for the existing, non-operating sump pumps.
- Analytical results indicated VOCs, SVOCs, TPH as DRO, TPH as GRO, inorganics (including TCLP and SPLP metals) were detected at concentrations above the method detection limits in soil. However, only TCLP iron and TCLP manganese were detected above SROs. When these constituents were analyzed by SPLP, there were no exceedances. Therefore, soil is not considered to be impacted.
- Groundwater analytical results indicated several VOC, SVOC, and metals detected at concentrations above method detection limits. Neither one of these detections exceeded the groundwater remediation objective for Class II groundwater; therefore, groundwater is not considered to be impacted.

4.2 RECOMMENDATIONS

Based on the findings of this investigation, WESTON recommends the issuance of a Comprehensive No Further Remediation letter.

Upon receipt of the NFR letter, it will be recorded with the Cook County Assessor's Office. Additionally, and upon receipt of a NFR Letter, the property owner will be responsible for

having the on-site monitoring wells abandoned in accordance with Illinois Department of Public Health 1994 Illinois Water Well Construction Code Section 920.120.

TABLES

Table 2-1
Summary of Sampling Program
Blackhawk Drive
Park Forest, Cook County, Illinois

Sampling Location ID	Field Sample ID	Sampling Interval (ft bgs)	Analytical Parameters								
			Total TCL Metals	TCLP Metals	Total Cyanide	VOCs	SVOCs	Pesticides	PCBs	TPH as DRO and GRO	pH
BH-SB01	BH-SS01 (0-2)-061912	0 - 2	X	X	X	X	X				X
	BH-SB01 (18-20)-061912	18 - 20	X	X	X	X	X				X
BH-SB02	BH-SS02 (0-2)-061912	0 - 2	X	X	X	X	X				X
	BH-SB02 (18-20)-061912	18 - 20	X	X	X	X	X				X
BH-SB03	BH-SS03 (0-2)-061912	0 - 2	X	X	X	X	X				X
	BH-SB03 (13-15)-061912	13 - 15	X	X	X	X	X				X
BH-SB04	BH-SS04 (0-2)-061912	0 - 2	X	X	X	X	X				X
	BH-SB04 (10-12)-061912	13 - 15	X	X	X	X	X				X
BH-SB05	BH-SS05 (0-2)-061912	0 - 2	X	X	X	X	X	X	X	X	X
	BH-SS05 (0-2)-061912	0 - 2	X	X	X	X	X				X
	BH-SB05(15-17)-061912	15 - 17	X	X	X	X	X	X	X	X	X
BH-SB06	BH-SS06(0-2)-061912	0 - 2	X	X	X	X	X				X
	BH-SB06(13-15)-061912	13 - 15	X	X	X	X	X				X
	BH-SB06(13-15)-061912D	13 - 15	X	X	X	X	X				X
Total Number of Soil Samples Analyzed:			14	14	14	14	14	2	2	2	14
BH-MW01	BH-MW01-062212	8 - 18	X			X	X				
	BH-MW01-062212-D	8 - 18	X			X	X				
BH-MW02	BH-MW02-062212	11 - 17	X			X	X				
BH-MW03	BH-MW03-062212	8 - 18	X			X	X				
Total Number of Groundwater Samples Analyzed:			4	0	0	4	4	0	0	0	0

Notes and Abbreviations:

Sample interval for monitoring wells identifies screened interval below ground surface.

DRO - Diesel range organic

-D - Field duplicate sample

ft bgs - Feet below ground surface

GRO - Gasoline range organic

ID - Identification

MW - Monitoring well

PCB - Polychlorinated biphenyl

SB - Soil boring

SVOC - Semivolatile organic compound

TCL - Target Compound List; 35 Illinois Administrative Code (IAC) Part 740, Appendix A.

TPH - Total petroleum hydrocarbon

VOC - Volatile organic compound

X - Sample collected

Table 2-2
Summary of Soil Analytical Results for Organic Compounds
Blackhawk Drive
Park Forest, Cook County, Illinois

					Location ID	BH-SB01	BH-SB02	BH-SB03	BH-SB04	BH-SB05	BH-SB06	BH-SB06	BH-SS01	BH-SS02	BH-SS03	BH-SS04
					Field Sample ID	BH-SB01(18-20)-061912	BH-SB02(18-20)-061912	BH-SB03(18-20)-061912	BH-SB04(13-15)-061912	BH-SB05(15-17)-061912	BH-SB06(13-15)-061912	BH-SB06(13-15)-061912D	BH-SS01(0-2)-061912	BH-SS02(0-2)-061912	BH-SS03(0-2)-061912	BH-SS04(0-2)-061912
					Sample Date	6/19/2012	6/19/2012	6/19/2012	6/19/2012	6/19/2012	6/19/2012	6/19/2012	6/19/2012	6/19/2012	6/19/2012	6/19/2012
Analytical Method	Chemical Name	Unit	RES	CW	MGW Class II											
Pesticides																
SW8081	4,4'-DDD	ug/kg	3000	520000	80000	-	-	-	-	7.7 U	-	-	-	-	-	-
SW8081	4,4'-DDE	ug/kg	2000	370000	270000	-	-	-	-	7.7 U	-	-	-	-	-	-
SW8081	4,4'-DDT	ug/kg	2000	100000	160000	-	-	-	-	7.7 U	-	-	-	-	-	-
SW8081	Aldrin	ug/kg	40	6100	2500	-	-	-	-	7.7 U	-	-	-	-	-	-
SW8081	alpha-BHC	ug/kg	100	2100	3	-	-	-	-	7.7 U	-	-	-	-	-	-
SW8081	alpha-Chlordane	ug/kg	NA	NA	NA	-	-	-	-	7.7 U	-	-	-	-	-	-
SW8081	beta-BHC	ug/kg	NA	NA	NA	-	-	-	-	7.7 U	-	-	-	-	-	-
SW8081	delta-BHC	ug/kg	NA	NA	NA	-	-	-	-	7.7 U	-	-	-	-	-	-
SW8081	Dieldrin	ug/kg	40	3100	20	-	-	-	-	7.7 U	-	-	-	-	-	-
SW8081	Endosulfan sulfate	ug/kg	NA	NA	NA	-	-	-	-	7.7 U	-	-	-	-	-	-
SW8081	Endosulfan-I	ug/kg	NA	NA	NA	-	-	-	-	7.7 U	-	-	-	-	-	-
SW8081	Endosulfan-II	ug/kg	NA	NA	NA	-	-	-	-	7.7 U	-	-	-	-	-	-
SW8081	Endrin	ug/kg	23000	61000	5000	-	-	-	-	7.7 U	-	-	-	-	-	-
SW8081	Endrin aldehyde	ug/kg	NA	NA	NA	-	-	-	-	7.7 U	-	-	-	-	-	-
SW8081	Endrin ketone	ug/kg	NA	NA	NA	-	-	-	-	7.7 U	-	-	-	-	-	-
SW8081	gamma-BHC (Lindane)	ug/kg	500	96000	47	-	-	-	-	7.7 U	-	-	-	-	-	-
SW8081	gamma-Chlordane	ug/kg	NA	NA	NA	-	-	-	-	7.7 U	-	-	-	-	-	-
SW8081	Heptachlor	ug/kg	100	16000	110000	-	-	-	-	7.7 U	-	-	-	-	-	-
SW8081	Heptachlor epoxide	ug/kg	70	2700	3300	-	-	-	-	7.7 U	-	-	-	-	-	-
SW8081	Methoxychlor	ug/kg	390000	1000000	780000	-	-	-	-	7.7 U	-	-	-	-	-	-
SW8081	Toxaphene	ug/kg	600	110000	150000	-	-	-	-	77 U	-	-	-	-	-	-
PCBs																
SW8082	Aroclor 1016	ug/kg	NA	NA	NA	-	-	-	-	120 U	-	-	-	-	-	-
SW8082	Aroclor 1221	ug/kg	NA	NA	NA	-	-	-	-	120 U	-	-	-	-	-	-
SW8082	Aroclor 1232	ug/kg	NA	NA	NA	-	-	-	-	120 U	-	-	-	-	-	-
SW8082	Aroclor 1242	ug/kg	NA	NA	NA	-	-	-	-	120 U	-	-	-	-	-	-
SW8082	Aroclor 1248	ug/kg	NA	NA	NA	-	-	-	-	120 U	-	-	-	-	-	-
SW8082	Aroclor 1254	ug/kg	NA	NA	NA	-	-	-	-	120 U	-	-	-	-	-	-
SW8082	Aroclor 1260	ug/kg	NA	NA	NA	-	-	-	-	120 U	-	-	-	-	-	-
VOCs																
SW8260	1,1,1-Trichloroethane	ug/kg	1200000	1200000	9600	1.3 U	1.3 U	1.3 U	1.5 U	1.3 U	1.3 U	1.5 U	1.9 U	1.6 U	1.6 U	1.7 U
SW8260	1,1,2,2-Tetrachloroethane	ug/kg	NA	NA	NA	1.3 U	1.3 U	1.3 U	1.5 U	1.3 U	1.3 U	1.5 U	1.9 U	1.6 U	1.6 U	1.7 U
SW8260	1,1,2-Trichloroethane	ug/kg	310000	1800000	300	1.3 U	1.3 U	1.3 U	1.5 UJ	1.3 U	1.3 U	1.5 U	1.9 U	1.6 U	1.6 U	1.7 U
SW8260	1,1-Dichloroethane	ug/kg	1300000	130000	110000	1.3 U	1.3 U	1.3 U	1.5 U	1.3 U	1.3 U	1.5 U	1.9 U	1.6 U	1.6 U	1.7 U
SW8260	1,1-Dichloroethene	ug/kg	290000	3000	300	1.3 U	1.3 U	1.3 U	1.5 U	1.3 U	1.3 U	1.5 U	1.9 U	1.6 U	1.6 U	1.7 U
SW8260	1,2-Dichloroethane	ug/kg	400	990	100	1.3 U	1.3 U	1.3 U	1.5 UJ	1.3 U	1.3 U	1.5 U	1.9 U	1.6 U	1.6 U	1.7 U
SW8260	1,2-Dichloropropane	ug/kg	9000	500	150	1.3 U	1.3 U	1.3 U	1.5 U	1.3 U	1.3 U	1.5 U	1.9 U	1.6 U	1.6 U	1.7 U
SW8260	2-Butanone (MEK)	ug/kg	NA	NA	NA	3.2 U	3.3 U	3.2 U	3.7 U	3.2 U	3.3 U	3.8 U	4.8 U	4.1 U	3.9 U	4.1 U
SW8260	2-Hexanone	ug/kg	NA	NA	NA	3.2 U	3.3 U	3.2 U	3.7 U	3.2 U	3.3 U	3.8 U	4.8 U	4.1 U	3.9 U	4.1 U
SW8260	4-Methyl-2-pentanone (MIBK)	ug/kg	NA	NA	NA	3.2 U	3.3 U	3.2 U	3.7 U	3.2 U	3.3 U	3.8 U	4.8 U	4.1 U	3.9 U	4.1 U
SW8260	Acetone	ug/kg	70000000	100000000	25000	3.2 U	3.3 U	3.2 U	3.7 U	3.2 U	3.3 U	3.8 U	4.8 U	210 U	3.9 U	4.1 U
SW8260	Benzene	ug/kg	800	2200	170	0.32 U	0.33 U	0.32 U	0.37 U	0.32 U	0.33 U	0.38 U	0.48 U	0.41 U	0.39 U	0.41 U
SW8260	Bromodichloromethane	ug/kg	10000	2000000	600	1.3 U	1.3 U	1.3 U	1.5 UJ	1.3 U	1.3 U	1.5 U	1.9 U	1.6 U	1.6 U	1.7 U
SW8260	Bromoform	ug/kg	53000	140000	800	1.3 U	1.3 U	1.3 U	1.5 UJ	1.3 U	1.3 U	1.5 U	1.9 U	1.6 U	1.6 U	1.7 U
SW8260	Bromomethane	ug/kg	10000	3900	1200	1.3 U	1.3 U	1.3 U	1.5 U	1.3 U	1.3 U	1.5 U	1.9 U	1.6 U	1.6 U	1.7 U
SW8260	Carbon disulfide	ug/kg	720000	9000	160000	3.2 U	3.3 U	3.2 U	3.7 UJ	3.2 U	3.3 U	3.8 U	4.8 U	1.3 J	4.8	4.1 U
SW8260	Carbon tetrachloride	ug/kg	300	900	330	1.3 U	1.3 U	1.3 U	1.5 U	1.3 U	1.3 U	1.5 U	1.9 U	1.6 U	1.6 U	1.7 U
SW8260	Chlorobenzene	ug/kg	130000	1300	6500	1.3 U	1.3 U	1.3 U	1.5 UJ	1.3 U	1.3 U	1.5 U	1.9 U	1.6 U	1.6 U	1.7 U
SW8260	Chloroethane	ug/kg	NA	NA	NA	3.2 U	3.3 U	3.2 U	3.7 U	3.2 U	3.3 U	3.8 U	4.8 U	4.1 U	3.9 U	4.1 U

Table 2-2
Summary of Soil Analytical Results for Organic Compounds
Blackhawk Drive
Park Forest, Cook County, Illinois

					Location ID	BH-SB01	BH-SB02	BH-SB03	BH-SB04	BH-SB05	BH-SB06	BH-SB06	BH-SS01	BH-SS02	BH-SS03	BH-SS04
					Field Sample ID	BH-SB01(18-20)-061912	BH-SB02(18-20)-061912	BH-SB03(18-20)-061912	BH-SB04(13-15)-061912	BH-SB05(15-17)-061912	BH-SB06(13-15)-061912	BH-SB06(13-15)-061912D	BH-SS01(0-2)-061912	BH-SS02(0-2)-061912	BH-SS03(0-2)-061912	BH-SS04(0-2)-061912
					Sample Date	6/19/2012	6/19/2012	6/19/2012	6/19/2012	6/19/2012	6/19/2012	6/19/2012	6/19/2012	6/19/2012	6/19/2012	6/19/2012
Analytical Method	Chemical Name	Unit	RES	CW	MGW Class II											
SW8260	Chloroform	ug/kg	300	760	2900	1.3 U	1.3 U	1.3 U	1.5 U	1.3 U	1.3 U	1.5 U	1.9 U	1.6 U	1.6 U	1.7 U
SW8260	Chloromethane	ug/kg	NA	NA	NA	3.2 U	3.3 U	3.2 U	3.7 U	3.2 U	3.3 U	3.8 U	4.8 U	4.1 U	3.9 U	4.1 U
SW8260	cis-1,2-Dichloroethene	ug/kg	780000	1200000	1100	1.3 U	1.3 U	1.3 U	1.5 UJ	1.3 U	1.3 U	1.5 U	1.9 U	1.6 U	1.6 U	1.7 U
SW8260	cis-1,3-Dichloropropene	ug/kg	NA	NA	NA	1.3 U	1.3 U	1.3 U	1.5 UJ	1.3 U	1.3 U	1.5 U	1.9 U	1.6 U	1.6 U	1.7 U
SW8260	Dibromochloromethane	ug/kg	1300000	1300000	400	1.3 U	1.3 U	1.3 U	1.5 UJ	1.3 U	1.3 U	1.5 U	1.9 U	1.6 U	1.6 U	1.7 U
SW8260	Ethylbenzene	ug/kg	400000	58000	19000	1.3 U	1.3 U	1.3 U	1.5 UJ	1.3 U	1.3 U	1.5 U	1.9 U	1.6 U	1.6 U	1.7 U
SW8260	Methylene chloride	ug/kg	13000	34000	200	1.3 U	1.3 U	1.3 U	1.5 U	1.3 U	1.3 U	1.5 U	1.9 U	1.6 U	1.6 U	1.7 U
SW8260	Styrene	ug/kg	1500000	430000	18000	3.2 U	3.3 U	3.2 U	3.7 UJ	3.2 U	3.3 U	3.8 U	4.8 U	4.1 U	3.9 U	4.1 U
SW8260	Tetrachloroethene	ug/kg	11000	28000	300	1.3 U	1.3 U	1.3 U	1.5 U	1.3 U	1.3 U	1.5 U	1.9 U	1.6 U	1.6 U	1.7 U
SW8260	Toluene	ug/kg	650000	42000	29000	3.2 U	3.3 U	3.2 U	3.7 UJ	3.2 U	3.3 U	3.8 U	4.8 U	4.1 U	3.9 U	4.1 U
SW8260	trans-1,2-Dichloroethene	ug/kg	1600000	3100000	3400	1.3 U	1.3 U	1.3 U	1.5 U	1.3 U	1.3 U	1.5 U	1.9 U	1.6 U	1.6 U	1.7 U
SW8260	trans-1,3-Dichloropropene	ug/kg	NA	NA	NA	1.3 U	1.3 U	1.3 U	1.5 UJ	1.3 U	1.3 U	1.5 U	1.9 U	1.6 U	1.6 U	1.7 U
SW8260	Trichloroethene	ug/kg	5000	12000	300	1.3 U	1.3 U	1.3 U	1.5 U	1.3 U	1.3 U	1.5 U	1.9 U	1.6 U	1.6 U	1.7 U
SW8260	Vinyl chloride	ug/kg	280	1100	70	1.3 U	1.3 U	1.3 U	1.5 U	1.3 U	1.3 U	1.5 U	1.9 U	1.6 U	1.6 U	1.7 U
SW8260	Xylene (total)	ug/kg	320000	5600	150000	1.3 U	1.3 U	1.3 U	1.5 UJ	1.3 U	1.3 U	1.5 U	1.9 U	1.6 U	1.6 U	1.7 U
SVOCs																
SW8270	1,2,4-Trichlorobenzene	ug/kg	780000	920000	53000	300 U	290 U	270 U	290 U	280 U	290 U	290 U	2800 U	250 U	290 U	300 U
SW8270	1,2-Dichlorobenzene	ug/kg	560000	310000	43000	300 U	290 U	270 U	290 U	280 U	290 U	290 U	2800 U	250 U	290 U	300 U
SW8270	1,3-Dichlorobenzene	ug/kg	NA	NA	NA	300 U	290 U	270 U	290 U	280 U	290 U	290 U	2800 U	250 U	290 U	300 U
SW8270	1,4-Dichlorobenzene	ug/kg	11000000	340000	11000	300 U	290 U	270 U	290 U	280 U	290 U	290 U	2800 U	250 U	290 U	300 U
SW8270	2,4,5-Trichlorophenol	ug/kg	7800000	200000000	1400000	600 U	580 U	550 U	580 U	570 U	580 U	580 U	5600 U	510 U	590 U	590 U
SW8270	2,4,6-Trichlorophenol	ug/kg	58000	540000	770	600 U	580 U	550 U	580 U	570 U	580 U	580 U	5600 U	510 U	590 U	590 U
SW8270	2,4-Dichlorophenol	ug/kg	230000	610000	1000	600 U	580 U	550 U	580 U	570 U	580 U	580 U	5600 U	510 U	590 U	590 U
SW8270	2,4-Dimethylphenol	ug/kg	1600000	41000000	9000	600 U	580 U	550 U	580 U	570 U	580 U	580 U	5600 U	510 U	590 U	590 U
SW8270	2,4-Dinitrophenol	ug/kg	160000	410000	200	1200 U	1200 U	1100 U	1200 UJ	1100 U	1200 U	1200 U	11000 U	1000 U	1200 U	1200 U
SW8270	2,4-Dinitrotoluene	ug/kg	900	180000	.8	600 U	580 U	550 U	580 UJ	570 U	580 U	580 U	5600 U	510 U	590 U	590 U
SW8270	2,6-Dinitrotoluene	ug/kg	900	180000	.7	600 U	580 U	550 U	580 UJ	570 U	580 U	580 U	5600 U	510 U	590 U	590 U
SW8270	2-Chloronaphthalene	ug/kg	NA	NA	NA	300 U	290 U	270 U	290 U	280 U	290 U	290 U	2800 U	250 U	290 U	300 U
SW8270	2-Chlorophenol	ug/kg	390000	10000000	4000	300 U	70.9 J	270 U	290 U	280 U	290 U	290 U	2800 U	45.2 J	290 U	300 U
SW8270	2-Methylnaphthalene	ug/kg	NA	NA	NA	120 U	120 U	110 U	120 U	110 U	120 U	120 U	1100 U	100 U	120 U	120 U
SW8270	2-Methylphenol	ug/kg	3900000	100000000	15000	600 U	580 U	550 U	580 U	570 U	580 U	580 U	5600 U	510 U	590 U	590 U
SW8270	2-Nitroaniline	ug/kg	NA	NA	NA	600 U	580 U	550 U	580 U	570 U	580 U	580 U	5600 U	510 U	590 U	590 U
SW8270	2-Nitrophenol	ug/kg	NA	NA	NA	600 U	580 U	550 U	580 UJ	570 U	580 U	580 U	5600 U	510 U	590 U	590 U
SW8270	3&4-Methylphenol	ug/kg	NA	NA	NA	600 U	580 U	550 U	580 U	570 U	580 U	580 U	5600 U	510 U	590 U	590 U
SW8270	3,3'-Dichlorobenzidine	ug/kg	1000	280000	33	300 U	290 U	270 U	290 U	280 U	290 U	290 U	2800 U	250 U	290 U	300 U
SW8270	3-Nitroaniline	ug/kg	NA	NA	NA	600 U	580 U	550 U	580 U	570 U	580 U	580 U	5600 U	510 U	590 U	590 U
SW8270	4,6-Dinitro-o-cresol	ug/kg	NA	NA	NA	600 U	580 U	550 U	580 UJ	570 U	580 U	580 U	5600 U	510 U	590 U	590 U
SW8270	4-Bromophenyl phenyl ether	ug/kg	NA	NA	NA	300 U	290 U	270 U	290 U	280 U	290 U	290 U	2800 U	250 U	290 U	300 U
SW8270	4-Chloro-3-methyl phenol	ug/kg	NA	NA	NA	600 U	580 U	550 U	580 U	570 U	580 U	580 U	5600 U	510 U	590 U	590 U
SW8270	4-Chloroaniline	ug/kg	310000	820000	700	600 U	580 U	550 U	580 UJ	570 U	580 U	580 U	5600 U	510 U	590 U	590 U
SW8270	4-Chlorophenyl phenyl ether	ug/kg	NA	NA	NA	300 U	290 U	270 U	290 U	280 U	290 U	290 U	2800 U	250 U	290 U	300 U
SW8270	4-Nitroaniline	ug/kg	NA	NA	NA	600 U	580 U	550 U	580 U	570 U	580 U	580 U	5600 U	510 U	590 U	590 U
SW8270	4-Nitrophenol	ug/kg	NA	NA	NA	1200 U	1200 U	1100 U	1200 U	1100 U	1200 U	1200 U	11000 U	1000 U	1200 U	1200 U
SW8270	Acenaphthene	ug/kg	4700000	120000000	2900000	120 U	120 U	110 U	120 U	110 U	120 U	120 U	1100 U	100 U	64.7 J	120 U
SW8270	Acenaphthylene	ug/kg	NA	NA	NA	120 U	120 U	110 U	120 U	110 U	120 U	120 U	1100 U	22.2 J	120 U	120 U
SW8270	Anthracene	ug/kg	23000000	610000000	59000000	120 U	120 U	110 U	120 U	110 U	120 U	120 U	1100 U	24.7 J	113 J	120 U
SW8270	Benzo(a)anthracene	ug/kg	1800	170000	8000	120 U	120 U	110 U	120 U	110 U	120 U	120 U	302 J	122	324	120 U
SW8270	Benzo(a)pyrene	ug/kg	2100	17000	82000	120 U	120 U	110 U	120 U	110 U	120 U	120 U	322 J	138	278	120 U
SW8270	Benzo(b)fluoranthene	ug/kg	2100	170000	25000	120 U	120 U	110 U	120 U	110 U	120 U	120 U	432 J	196	430	120 U
SW8270	Benzo(g,h,i)perylene	ug/kg	NA	NA	NA	120 U	120 U	110 U	120 U	20 J	19.2 J	120 U	1100 U	117	217	120 U
SW8270	Benzo(k)fluoranthene	ug/kg	9000	1700000	250000	120 U	120 U	110 U	120 U	110 U	120 U	120 U	157 J	80.9 J	119 J	120 U

Table 2-2
Summary of Soil Analytical Results for Organic Compounds
Blackhawk Drive
Park Forest, Cook County, Illinois

					Location ID	BH-SB01	BH-SB02	BH-SB03	BH-SB04	BH-SB05	BH-SB06	BH-SB06	BH-SS01	BH-SS02	BH-SS03	BH-SS04
					Field Sample ID	BH-SB01(18-20)-061912	BH-SB02(18-20)-061912	BH-SB03(18-20)-061912	BH-SB04(13-15)-061912	BH-SB05(15-17)-061912	BH-SB06(13-15)-061912	BH-SB06(13-15)-061912D	BH-SS01(0-2)-061912	BH-SS02(0-2)-061912	BH-SS03(0-2)-061912	BH-SS04(0-2)-061912
					Sample Date	6/19/2012	6/19/2012	6/19/2012	6/19/2012	6/19/2012	6/19/2012	6/19/2012	6/19/2012	6/19/2012	6/19/2012	6/19/2012
Analytical Method	Chemical Name	Unit	RES	CW	MGW Class II											
SW8270	bis(2-Chloroethoxy)methane	ug/kg	NA	NA	NA	300 U	290 U	270 U	290 U	280 U	290 U	290 U	2800 U	250 U	290 U	300 U
SW8270	bis(2-Chloroethyl)ether	ug/kg	200	660	.4	300 U	290 U	270 U	290 U	280 U	290 U	290 U	2800 U	250 U	290 U	300 U
SW8270	bis(2-Chloroisopropyl)ether	ug/kg	NA	NA	NA	300 U	290 U	270 U	290 U	280 U	290 U	290 U	2800 U	250 U	290 U	300 U
SW8270	bis(2-Ethylhexyl)phthalate	ug/kg	46000	4100000	31000000	166 J	290 U	270 U	290 U	280 U	290 U	290 U	2800 U	250 U	72.3 J	29.1 J
SW8270	Butyl benzyl phthalate	ug/kg	930000	930000	930000	300 U	290 U	270 U	290 U	280 U	290 U	290 U	2800 U	250 U	290 U	300 U
SW8270	Carbazole	ug/kg	32000	6200000	2800	120 U	120 U	110 U	120 U	110 U	120 U	120 U	1100 U	100 U	63.7 J	120 U
SW8270	Chrysene	ug/kg	88000	17000000	800000	120 U	120 U	110 U	120 U	110 U	120 U	120 U	311 J	143	349	120 U
SW8270	Dibenzo(a,h)anthracene	ug/kg	420	17000	7600	120 U	120 U	110 U	120 U	110 U	120 U	120 U	1100 U	100 U	120 U	120 U
SW8270	Dibenzofuran	ug/kg	NA	NA	NA	120 U	120 U	110 U	120 U	110 U	120 U	120 U	1100 U	100 U	28.4 J	120 U
SW8270	Diethyl phthalate	ug/kg	2000000	2000000	470000	300 U	290 U	270 U	290 U	280 U	290 U	290 U	2800 U	250 U	290 U	300 U
SW8270	Dimethyl phthalate	ug/kg	NA	NA	NA	300 U	290 U	270 U	290 U	280 U	290 U	290 U	2800 U	250 U	290 U	300 U
SW8270	Di-n-butyl phthalate	ug/kg	2300000	2300000	2300000	300 U	290 U	270 U	290 U	280 U	290 U	290 U	2800 U	250 U	36.8 J	290 U
SW8270	Di-n-octyl phthalate	ug/kg	1600000	4100000	10000000	300 U	290 U	270 U	290 U	280 U	290 U	290 U	2800 U	250 U	290 U	300 U
SW8270	Fluoranthene	ug/kg	3100000	82000000	21000000	120 U	120 U	110 U	120 U	110 U	120 U	120 U	560 J	203	635	120 U
SW8270	Fluorene	ug/kg	3100000	82000000	2800000	120 U	120 U	110 U	120 U	110 U	120 U	120 U	1100 U	100 U	48.2 J	120 U
SW8270	Hexachlorobenzene	ug/kg	400	2600	11000	300 U	290 U	270 U	290 U	280 U	290 U	290 U	2800 U	250 U	290 U	300 U
SW8270	Hexachlorobutadiene	ug/kg	NA	NA	NA	300 U	290 U	270 U	290 U	280 U	290 U	290 U	2800 U	250 U	290 U	300 U
SW8270	Hexachlorocyclopentadiene	ug/kg	10000	1100	2200000	600 U	580 U	550 U	580 UJ	570 U	580 U	580 U	5600 U	510 U	590 U	590 U
SW8270	Hexachloroethane	ug/kg	78000	2000000	2600	300 U	290 U	270 U	290 UJ	280 U	290 U	290 U	2800 U	250 U	290 U	300 U
SW8270	Indeno(1,2,3-cd)pyrene	ug/kg	1600	170000	69000	120 U	120 U	110 U	120 U	110 U	120 U	120 U	228 J	124	218	120 U
SW8270	Isophorone	ug/kg	4600000	4600000	8000	300 U	290 U	270 U	290 U	280 U	290 U	290 U	2800 U	250 U	290 U	300 U
SW8270	Naphthalene	ug/kg	170000	1800	18000	120 U	120 U	110 U	120 U	110 U	120 U	120 U	1100 U	100 U	27.7 J	120 U
SW8270	Nitrobenzene	ug/kg	39000	9400	100	300 U	290 U	270 U	290 U	280 U	290 U	290 U	2800 U	250 U	290 U	300 U
SW8270	N-Nitroso-di-n-propylamine	ug/kg	90	18000	.05	300 U	290 U	270 U	290 UJ	280 U	290 U	290 U	2800 U	250 U	290 U	300 U
SW8270	N-Nitrosodiphenylamine	ug/kg	130000	25000000	5600	300 U	290 U	270 U	290 U	280 U	290 U	290 U	2800 U	250 U	290 U	300 U
SW8270	Pentachlorophenol	ug/kg	3000	520000	140	600 U	580 U	550 U	580 U	570 U	580 U	580 U	5600 U	510 U	590 U	590 U
SW8270	Phenanthrene	ug/kg	NA	NA	NA	120 U	120 U	110 U	120 U	32.4 J	120 U	120 U	309 J	78.9 J	437	120 U
SW8270	Phenol	ug/kg	23000000	61000000	100000	300 U	290 U	270 U	290 U	280 U	290 U	290 U	2800 U	250 U	290 U	300 U
SW8270	Pyrene	ug/kg	2300000	61000000	21000000	120 U	120 U	110 U	120 U	13.4 J	120 U	11.6 J	399 J	179	506	120 U
Miscellaneous Parameters																
SW9012	Cyanide	mg/kg	1600	4100	120	0.14 U	0.13 U	0.13 U	0.14 U	0.13 U	0.14 U	0.14 U	0.13 U	0.12 U	0.14 U	0.14 U
SM2540	Solids, Percent	percent	NA	NA	NA	82.3	82.8	87.9	83.1	85.3	84.5	84.3	85.4	94.7	82.7	83.5
SW8015	TPH-DRO (Semi-VOA)	mg/kg	NA	NA	NA	-	-	-	-	19.2	-	-	-	-	-	-
SW8015	TPH-GRO (VOA)	mg/kg	NA	NA	NA	-	-	-	-	3.09 J	-	-	-	-	-	-

Notes and Abbreviations:

- DRO - Diesel range organic
ft bgs - Feet below ground surfac
GRO - Gasoline range organic
ID - Identification
J - Concentration estimated
MG/KG - Milligram per kilogran
NA - Not available
- PCB - Polychlorinated biphenyl
SVOC - Semivolatile organic compound
TPH - Total petroleum hydrocarbon
U - Constituent not detected. Reporting limit presented.
UG/KG - Microgram per kilogram
VOC - Volatile organic compound
-- Constituent not analyzed

Table 2-2
Summary of Soil Analytical Results for Organic Compounds
Blackhawk Drive
Park Forest, Cook County, Illinois

					Location ID	BH-SS05	BH-SS05	BH-SS06	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
					Field Sample ID	BH-SS05(0-2)-061912	BH-SS05(0-2)-061912D	BH-SS06(0-2)-061912	TB-01 Methanol	TB-01 Soil	TB-02 Methanol	TB-02 Soil
					Sample Date	6/19/2012	6/19/2012	6/19/2012	6/19/2012	6/19/2012	6/20/2012	6/20/2012
Analytical Method	Chemical Name	Unit	RES	CW	MGW Class II							
Pesticides												
SW8081	4,4'-DDD	ug/kg	3000	520000	80000	7.8 U	-	-	-	-	-	-
SW8081	4,4'-DDE	ug/kg	2000	370000	270000	7.8 U	-	-	-	-	-	-
SW8081	4,4'-DDT	ug/kg	2000	100000	160000	7.8 U	-	-	-	-	-	-
SW8081	Aldrin	ug/kg	40	6100	2500	7.8 U	-	-	-	-	-	-
SW8081	alpha-BHC	ug/kg	100	2100	3	7.8 U	-	-	-	-	-	-
SW8081	alpha-Chlordane	ug/kg	NA	NA	NA	7.8 U	-	-	-	-	-	-
SW8081	beta-BHC	ug/kg	NA	NA	NA	7.8 U	-	-	-	-	-	-
SW8081	delta-BHC	ug/kg	NA	NA	NA	7.8 U	-	-	-	-	-	-
SW8081	Dieldrin	ug/kg	40	3100	20	7.8 U	-	-	-	-	-	-
SW8081	Endosulfan sulfate	ug/kg	NA	NA	NA	7.8 U	-	-	-	-	-	-
SW8081	Endosulfan-I	ug/kg	NA	NA	NA	7.8 U	-	-	-	-	-	-
SW8081	Endosulfan-II	ug/kg	NA	NA	NA	7.8 U	-	-	-	-	-	-
SW8081	Endrin	ug/kg	23000	61000	5000	7.8 U	-	-	-	-	-	-
SW8081	Endrin aldehyde	ug/kg	NA	NA	NA	7.8 U	-	-	-	-	-	-
SW8081	Endrin ketone	ug/kg	NA	NA	NA	7.8 U	-	-	-	-	-	-
SW8081	gamma-BHC (Lindane)	ug/kg	500	96000	47	7.8 U	-	-	-	-	-	-
SW8081	gamma-Chlordane	ug/kg	NA	NA	NA	7.8 U	-	-	-	-	-	-
SW8081	Heptachlor	ug/kg	100	16000	110000	7.8 U	-	-	-	-	-	-
SW8081	Heptachlor epoxide	ug/kg	70	2700	3300	7.8 U	-	-	-	-	-	-
SW8081	Methoxychlor	ug/kg	390000	1000000	780000	7.8 U	-	-	-	-	-	-
SW8081	Toxaphene	ug/kg	600	110000	150000	78 U	-	-	-	-	-	-
PCBs												
SW8082	Aroclor 1016	ug/kg	NA	NA	NA	120 U	-	-	-	-	-	-
SW8082	Aroclor 1221	ug/kg	NA	NA	NA	120 U	-	-	-	-	-	-
SW8082	Aroclor 1232	ug/kg	NA	NA	NA	120 U	-	-	-	-	-	-
SW8082	Aroclor 1242	ug/kg	NA	NA	NA	120 U	-	-	-	-	-	-
SW8082	Aroclor 1248	ug/kg	NA	NA	NA	120 U	-	-	-	-	-	-
SW8082	Aroclor 1254	ug/kg	NA	NA	NA	120 U	-	-	-	-	-	-
SW8082	Aroclor 1260	ug/kg	NA	NA	NA	120 U	-	-	-	-	-	-
VOCs												
SW8260	1,1,1-Trichloroethane	ug/kg	1200000	1200000	9600	1.4 U	1.4 U	1.6 U	100 U	2 U	100 U	2 U
SW8260	1,1,2,2-Tetrachloroethane	ug/kg	NA	NA	NA	1.4 U	1.4 U	1.6 U	100 U	2 U	100 U	2 U
SW8260	1,1,2-Trichloroethane	ug/kg	310000	1800000	300	1.4 U	1.4 U	1.6 U	100 U	2 U	100 U	2 U
SW8260	1,1-Dichloroethane	ug/kg	1300000	130000	110000	1.4 U	1.4 U	1.6 U	100 U	2 U	100 U	2 U
SW8260	1,1-Dichloroethene	ug/kg	290000	3000	300	1.4 U	1.4 U	1.6 U	100 U	2 U	100 U	2 U
SW8260	1,2-Dichloroethane	ug/kg	400	990	100	1.4 U	1.4 U	1.6 U	100 U	2 U	100 U	2 U
SW8260	1,2-Dichloropropane	ug/kg	9000	500	150	1.4 U	1.4 U	1.6 U	100 U	2 U	100 U	2 U
SW8260	2-Butanone (MEK)	ug/kg	NA	NA	NA	3.6 U	1.4 J	4.1 U	250 U	5 U	250 U	5 U
SW8260	2-Hexanone	ug/kg	NA	NA	NA	3.6 U	3.6 U	4.1 U	250 U	5 U	250 U	5 U
SW8260	4-Methyl-2-pentanone (MIBK)	ug/kg	NA	NA	NA	3.6 U	3.6 U	4.1 U	250 U	5 U	250 U	5 U
SW8260	Acetone	ug/kg	700000000	100000000	25000	3.6 U	3.6 U	4.1 U	250 U	5 U	250 U	5 U
SW8260	Benzene	ug/kg	800	2200	170	0.36 U	0.36 U	0.41 U	25 U	0.5 U	25 U	0.5 U
SW8260	Bromodichloromethane	ug/kg	10000	2000000	600	1.4 U	1.4 U	1.6 U	100 U	2 U	100 U	2 U
SW8260	Bromoform	ug/kg	53000	140000	800	1.4 U	1.4 U	1.6 U	100 U	2 U	100 U	2 U
SW8260	Bromomethane	ug/kg	10000	3900	1200	1.4 U	1.4 U	1.6 U	100 U	2 U	100 U	2 U
SW8260	Carbon disulfide	ug/kg	720000	9000	160000	1.2 J	1.8 J	4.1 U	250 U	5 U	250 U	5 U
SW8260	Carbon tetrachloride	ug/kg	300	900	330	1.4 U	1.4 U	1.6 U	100 U	2 U	100 U	2 U
SW8260	Chlorobenzene	ug/kg	130000	1300	6500	1.4 U	1.4 U	1.6 U	100 U	2 U	100 U	2 U
SW8260	Chloroethane	ug/kg	NA	NA	NA	3.6 U	3.6 U	4.1 U	250 U	5 U	250 U	5 U

Table 2-2
Summary of Soil Analytical Results for Organic Compounds
Blackhawk Drive
Park Forest, Cook County, Illinois

					Location ID	BH-SS05	BH-SS05	BH-SS06	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
					Field Sample ID	BH-SS05(0-2)-061912	BH-SS05(0-2)-061912D	BH-SS06(0-2)-061912	TB-01 Methanol	TB-01 Soil	TB-02 Methanol	TB-02 Soil
					Sample Date	6/19/2012	6/19/2012	6/19/2012	6/19/2012	6/19/2012	6/20/2012	6/20/2012
Analytical Method	Chemical Name	Unit	RES	CW	MGW Class II							
SW8260	Chloroform	ug/kg	300	760	2900	1.4 U	1.4 U	1.6 U	100 U	2 U	100 U	2 U
SW8260	Chloromethane	ug/kg	NA	NA	NA	3.6 U	3.6 U	4.1 U	250 U	5 U	250 U	5 U
SW8260	cis-1,2-Dichloroethene	ug/kg	780000	1200000	1100	1.4 U	1.4 U	1.6 U	100 U	2 U	100 U	2 U
SW8260	cis-1,3-Dichloropropene	ug/kg	NA	NA	NA	1.4 U	1.4 U	1.6 U	100 U	2 U	100 U	2 U
SW8260	Dibromochloromethane	ug/kg	1300000	1300000	400	1.4 U	1.4 U	1.6 U	100 U	2 U	100 U	2 U
SW8260	Ethylbenzene	ug/kg	400000	58000	19000	1.4 U	1.4 U	1.6 U	100 U	2 U	100 U	2 U
SW8260	Methylene chloride	ug/kg	13000	34000	200	1.4 U	1.4 U	1.6 U	100 U	2 U	100 U	2 U
SW8260	Styrene	ug/kg	1500000	430000	18000	3.6 U	3.6 U	4.1 U	250 U	5 U	250 U	5 U
SW8260	Tetrachloroethene	ug/kg	11000	28000	300	1.4 U	1.4 U	1.6 U	100 U	2 U	100 U	2 U
SW8260	Toluene	ug/kg	650000	42000	29000	3.6 U	3.6 U	4.1 U	250 U	5 U	250 U	5 U
SW8260	trans-1,2-Dichloroethene	ug/kg	1600000	3100000	3400	1.4 U	1.4 U	1.6 U	100 U	2 U	100 U	2 U
SW8260	trans-1,3-Dichloropropene	ug/kg	NA	NA	NA	1.4 U	1.4 U	1.6 U	100 U	2 U	100 U	2 U
SW8260	Trichloroethene	ug/kg	5000	12000	300	1.4 U	1.4 U	1.6 U	100 U	2 U	100 U	2 U
SW8260	Vinyl chloride	ug/kg	280	1100	70	1.4 U	1.4 U	1.6 U	100 U	2 U	100 U	2 U
SW8260	Xylene (total)	ug/kg	320000	5600	150000	1.4 U	1.4 U	1.6 U	100 U	2 U	100 U	2 U
SVOCs									-	-	-	-
SW8270	1,2,4-Trichlorobenzene	ug/kg	780000	920000	53000	300 U	290 U	290 U	-	-	-	-
SW8270	1,2-Dichlorobenzene	ug/kg	560000	310000	43000	300 U	290 U	290 U	-	-	-	-
SW8270	1,3-Dichlorobenzene	ug/kg	NA	NA	NA	300 U	290 U	290 U	-	-	-	-
SW8270	1,4-Dichlorobenzene	ug/kg	11000000	340000	11000	300 U	290 U	290 U	-	-	-	-
SW8270	2,4,5-Trichlorophenol	ug/kg	7800000	200000000	1400000	610 U	570 U	570 U	-	-	-	-
SW8270	2,4,6-Trichlorophenol	ug/kg	58000	540000	770	610 U	570 U	570 U	-	-	-	-
SW8270	2,4-Dichlorophenol	ug/kg	230000	610000	1000	610 U	570 U	570 U	-	-	-	-
SW8270	2,4-Dimethylphenol	ug/kg	1600000	41000000	9000	610 U	570 U	570 U	-	-	-	-
SW8270	2,4-Dinitrophenol	ug/kg	160000	410000	200	1200 U	1100 U	1100 U	-	-	-	-
SW8270	2,4-Dinitrotoluene	ug/kg	900	180000	.8	610 U	570 U	570 U	-	-	-	-
SW8270	2,6-Dinitrotoluene	ug/kg	900	180000	.7	610 U	570 U	570 U	-	-	-	-
SW8270	2-Chloronaphthalene	ug/kg	NA	NA	NA	300 U	290 U	290 U	-	-	-	-
SW8270	2-Chlorophenol	ug/kg	390000	10000000	4000	300 U	290 U	290 U	-	-	-	-
SW8270	2-Methylnaphthalene	ug/kg	NA	NA	NA	120 U	110 U	110 U	-	-	-	-
SW8270	2-Methylphenol	ug/kg	3900000	100000000	15000	610 U	570 U	570 U	-	-	-	-
SW8270	2-Nitroaniline	ug/kg	NA	NA	NA	610 U	570 U	570 U	-	-	-	-
SW8270	2-Nitrophenol	ug/kg	NA	NA	NA	610 U	570 U	570 U	-	-	-	-
SW8270	3&4-Methylphenol	ug/kg	NA	NA	NA	610 U	570 U	570 U	-	-	-	-
SW8270	3,3'-Dichlorobenzidine	ug/kg	1000	280000	33	300 U	290 U	290 U	-	-	-	-
SW8270	3-Nitroaniline	ug/kg	NA	NA	NA	610 U	570 U	570 U	-	-	-	-
SW8270	4,6-Dinitro-o-cresol	ug/kg	NA	NA	NA	610 U	570 U	570 U	-	-	-	-
SW8270	4-Bromophenyl phenyl ether	ug/kg	NA	NA	NA	300 U	290 U	290 U	-	-	-	-
SW8270	4-Chloro-3-methyl phenol	ug/kg	NA	NA	NA	610 U	570 U	570 U	-	-	-	-
SW8270	4-Chloroaniline	ug/kg	310000	820000	700	610 U	570 U	570 U	-	-	-	-
SW8270	4-Chlorophenyl phenyl ether	ug/kg	NA	NA	NA	300 U	290 U	290 U	-	-	-	-
SW8270	4-Nitroaniline	ug/kg	NA	NA	NA	610 U	570 U	570 U	-	-	-	-
SW8270	4-Nitrophenol	ug/kg	NA	NA	NA	1200 U	1100 U	1100 U	-	-	-	-
SW8270	Acenaphthene	ug/kg	4700000	120000000	2900000	120 U	110 U	110 U	-	-	-	-
SW8270	Acenaphthylene	ug/kg	NA	NA	NA	120 U	110 U	21.1 J	-	-	-	-
SW8270	Anthracene	ug/kg	23000000	610000000	59000000	120 U	110 U	30.2 J	-	-	-	-
SW8270	Benzo(a)anthracene	ug/kg	1800	170000	8000	99.6 J	59.4 J	136	-	-	-	-
SW8270	Benzo(a)pyrene	ug/kg	2100	17000	82000	75.5 J	45.2 J	141	-	-	-	-
SW8270	Benzo(b)fluoranthene	ug/kg	2100	170000	25000	110 J	67.3 J	241	-	-	-	-
SW8270	Benzo(g,h,i)perylene	ug/kg	NA	NA	NA	57.3 J	37.3 J	149	-	-	-	-
SW8270	Benzo(k)fluoranthene	ug/kg	9000	1700000	250000	38.8 J	28.1 J	65.6 J	-	-	-	-

Table 2-2
Summary of Soil Analytical Results for Organic Compounds
Blackhawk Drive
Park Forest, Cook County, Illinois

					Location ID	BH-SS05	BH-SS05	BH-SS06	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
					Field Sample ID	BH-SS05(0-2)-061912	BH-SS05(0-2)-061912D	BH-SS06(0-2)-061912	TB-01 Methanol	TB-01 Soil	TB-02 Methanol	TB-02 Soil
					Sample Date	6/19/2012	6/19/2012	6/19/2012	6/19/2012	6/19/2012	6/20/2012	6/20/2012
Analytical Method	Chemical Name	Unit	RES	CW	MGW Class II							
SW8270	bis(2-Chloroethoxy)methane	ug/kg	NA	NA	NA	300 U	290 U	290 U	-	-	-	-
SW8270	bis(2-Chloroethyl)ether	ug/kg	200	660	.4	300 U	290 U	290 U	-	-	-	-
SW8270	bis(2-Chloroisopropyl)ether	ug/kg	NA	NA	NA	300 U	290 U	290 U	-	-	-	-
SW8270	bis(2-Ethylhexyl)phthalate	ug/kg	46000	4100000	31000000	27.4 J	26.9 J	26.6 J	-	-	-	-
SW8270	Butyl benzyl phthalate	ug/kg	930000	930000	930000	14.2 J	290 U	290 U	-	-	-	-
SW8270	Carbazole	ug/kg	32000	6200000	2800	120 U	110 U	110 U	-	-	-	-
SW8270	Chrysene	ug/kg	88000	17000000	800000	92.6 J	56.5 J	184	-	-	-	-
SW8270	Dibenzo(a,h)anthracene	ug/kg	420	17000	7600	120 U	110 U	32.8 J	-	-	-	-
SW8270	Dibenzofuran	ug/kg	NA	NA	NA	120 U	110 U	110 U	-	-	-	-
SW8270	Diethyl phthalate	ug/kg	2000000	2000000	470000	300 U	290 U	290 U	-	-	-	-
SW8270	Dimethyl phthalate	ug/kg	NA	NA	NA	300 U	290 U	290 U	-	-	-	-
SW8270	Di-n-butyl phthalate	ug/kg	2300000	2300000	2300000	300 U	290 U	290 U	-	-	-	-
SW8270	Di-n-octyl phthalate	ug/kg	1600000	4100000	10000000	300 U	290 U	290 U	-	-	-	-
SW8270	Fluoranthene	ug/kg	3100000	82000000	21000000	189	104 J	245	-	-	-	-
SW8270	Fluorene	ug/kg	3100000	82000000	2800000	120 U	110 U	110 U	-	-	-	-
SW8270	Hexachlorobenzene	ug/kg	400	2600	11000	300 U	290 U	290 U	-	-	-	-
SW8270	Hexachlorobutadiene	ug/kg	NA	NA	NA	300 U	290 U	290 U	-	-	-	-
SW8270	Hexachlorocyclopentadiene	ug/kg	10000	1100	2200000	610 U	570 U	570 U	-	-	-	-
SW8270	Hexachloroethane	ug/kg	78000	2000000	2600	300 U	290 U	290 U	-	-	-	-
SW8270	Indeno(1,2,3-cd)pyrene	ug/kg	1600	170000	69000	47.9 J	28.8 J	112	-	-	-	-
SW8270	Isophorone	ug/kg	4600000	4600000	8000	300 U	290 U	290 U	-	-	-	-
SW8270	Naphthalene	ug/kg	170000	1800	18000	17.7 J	15.4 J	110 U	-	-	-	-
SW8270	Nitrobenzene	ug/kg	39000	9400	100	300 U	290 U	290 U	-	-	-	-
SW8270	N-Nitroso-di-n-propylamine	ug/kg	90	18000	.05	300 U	290 U	290 U	-	-	-	-
SW8270	N-Nitrosodiphenylamine	ug/kg	130000	25000000	5600	300 U	290 U	290 U	-	-	-	-
SW8270	Pentachlorophenol	ug/kg	3000	520000	140	610 U	570 U	570 U	-	-	-	-
SW8270	Phenanthrene	ug/kg	NA	NA	NA	71.1 J	61.7 J	86.7 J	-	-	-	-
SW8270	Phenol	ug/kg	23000000	61000000	100000	300 U	290 U	290 U	-	-	-	-
SW8270	Pyrene	ug/kg	2300000	61000000	21000000	143	87.7 J	210	-	-	-	-
Miscellaneous Parameters									-	-	-	-
SW9012	Cyanide	mg/kg	1600	4100	120	0.14 U	0.14 U	0.14 U	-	-	-	-
SM2540	Solids, Percent	percent	NA	NA	NA	80.9	83.5	85.3	-	-	-	-
SW8015	TPH-DRO (Semi-VOA)	mg/kg	NA	NA	NA	53.6	-	-	-	-	-	-
SW8015	TPH-GRO (VOA)	mg/kg	NA	NA	NA	9.2 U	-	-	-	-	-	-

Notes and Abbreviations:

- DRO - Diesel range organic

ft bgs - Feet below ground surfac

GRO - Gasoline range organic

ID - Identification

J - Concentration estimated

MG/KG - Milligram per kilogran

NA - Not available
- PCB - Polychlorinated biphenyl

SVOC - Semivolatile organic compound

TPH - Total petroleum hydrocarbon

U - Constituent not detected. Reporting l

UG/KG - Microgram per kilogram

VOC - Volatile organic compound

-- Constituent not analyzed

Table 2-3
Summary of Soil Analytical Results - Inorganic Compounds
Blackhawk Drive
Park Forest, Cook County, Illinois

				Location ID	BH-SB01		BH-SB02		BH-SB03		BH-SB04	
				Field Sample ID	BH-SB01(18-20)-061912		BH-SB02(18-20)-061912		BH-SB03(18-20)-061912		BH-SB04(13-15)-061912	
				Sample Date	6/19/2012		6/19/2012		6/19/2012		6/19/2012	
Analytical Method	Chemical Name	Unit	RES	CW	Result	SRO-pH	Result	SRO-pH	Result	SRO-pH	Result	SRO-pH
Total Inorganics												
SW6010	Aluminum	mg/kg	NA	NA	11300	-	11500	-	8880	-	10500	-
SW6010	Antimony	mg/kg	31	82	1.1 U	20	0.96 U	20	1.1 U	20	1 UJ	20
SW6010	Arsenic	mg/kg	13	61	2.4	120	6.6	120	6	130	4.5	110
SW6010	Barium	mg/kg	5500	14000	39.9	2100	42.2	2100	56.3	2100	38.4	1500
SW6010	Beryllium	mg/kg	160	410	0.59	1000000	0.6	1000000	0.59	1000000	0.57	2800
SW6010	Cadmium	mg/kg	78	200	0.44 U	4300	0.38 U	4300	0.45 U	4300	0.041 B	52
SW6010	Calcium	mg/kg	NA	NA	44700	-	46900	-	67300	-	51900	-
SW6010	Chromium	mg/kg	230	690	19.4	-	19.3	-	13.7	-	18.8	-
SW6010	Cobalt	mg/kg	4700	12000	9.6	-	9.5	-	5.8	-	8.8	-
SW6010	Copper	mg/kg	2900	8200	16.4	330000	17	330000	12.3	330000	18.2	59000
SW6010	Iron	mg/kg	NA	NA	20000	-	19400	-	13500	-	18100	-
SW6010	Lead	mg/kg	400	700	10.2	1420	10.6	1420	18.1	1420	10.2	1420
SW6010	Magnesium	mg/kg	325000	730000	23000	-	23900	-	25800	-	24300	-
SW6010	Manganese	mg/kg	1600	4100	414	-	394	-	498	-	379	-
SW7471	Mercury	mg/kg	10	NA	0.027	40	0.038 U	40	0.036 U	40	0.035 U	4.4
SW6010	Nickel	mg/kg	1600	4100	26.2	76000	25.6	76000	13.9	76000	25.6	2000
SW6010	Potassium	mg/kg	NA	NA	3080	-	3200	-	1280	-	2560	-
SW6010	Selenium	mg/kg	390	1000	1.1 U	2.4	0.96 U	2.4	1.1 U	1.8	1 U	6.3
SW6010	Silver	mg/kg	390	1000	0.55 U	-	0.48 U	-	0.56 U	-	0.51 U	-
SW6010	Sodium	mg/kg	NA	NA	130 B	-	136 B	-	171 B	-	170 B	-
SW6010	Thallium	mg/kg	6.3	160	1.1 U	38	0.24 B	38	0.28 B	44	0.28 B	26
SW6010	Vanadium	mg/kg	550	1400	20.2	-	20.7	-	15.2	-	19.9	-
SW6010	Zinc	mg/kg	23000	61000	44.9	110000	45.6	110000	35.8	110000	46.7	10000

Table 2-3
Summary of Soil Analytical Results - Inorganic Compounds
Blackhawk Drive
Park Forest, Cook County, Illinois

				Location ID	BH-SB01		BH-SB02		BH-SB03		BH-SB04	
				Field Sample ID	BH-SB01(18-20)-061912		BH-SB02(18-20)-061912		BH-SB03(18-20)-061912		BH-SB04(13-15)-061912	
				Sample Date	6/19/2012		6/19/2012		6/19/2012		6/19/2012	
Analytical Method	Chemical Name	Unit	RES	CW	Result	SRO-pH	Result	SRO-pH	Result	SRO-pH	Result	SRO-pH
TCLP and SPLP Metals												
SW6010	Aluminum, TCLP	mg/l	NA	NA	0.21	-	0.2 U	-	0.057 B	-	0.2 U	-
SW6010	Antimony, TCLP	mg/l	NA	NA	0.006 U	0.024	0.006 U	0.024	0.0021 B	0.024	0.006 U	0.024
SW6010	Arsenic, TCLP	mg/l	NA	NA	0.01 U	0.2	0.01 U	0.2	0.01 U	0.2	0.01 U	0.2
SW6010	Barium, TCLP	mg/l	NA	NA	0.65	2	0.72	2	0.69	2	0.32 B	2
SW6010	Beryllium, TCLP	mg/l	NA	NA	0.004 U	0.5	0.004 U	0.5	0.004 U	0.5	0.0006 B	0.5
SW6010	Cadmium, TCLP	mg/l	NA	NA	0.0015 B	0.05	0.0016 B	0.05	0.0011 B	0.05	0.0036 B	0.05
SW6010	Calcium, TCLP	mg/l	NA	NA	480	-	506	-	528	-	1040	-
SW6010	Chromium, TCLP	mg/l	NA	NA	0.01 U	1	0.0024 B	1	0.0015 B	1	0.0016 B	1
SW6010	Cobalt, TCLP	mg/l	NA	NA	0.0082 B	1	0.0084 B	1	0.019 B	1	0.019 B	1
SW6010	Copper, TCLP	mg/l	NA	NA	0.0078 B	0.65	0.0037 B	0.65	0.0069 B	0.65	0.03	0.65
SW6010	Iron, TCLP	mg/l	NA	NA	0.37	5	0.15	5	0.14	5	5.1	5
SW6010	Iron, SPLP	mg/l	NA	NA	-	5	-	5	-	5	1.8	5
SW6010	Lead, TCLP	mg/l	NA	NA	0.0059 B	0.1	0.01 U	0.1	0.01 U	0.1	0.02	0.1
SW6010	Magnesium, TCLP	mg/l	NA	NA	21	-	21.4	-	40.7	-	271	-
SW6010	Manganese, TCLP	mg/l	NA	NA	2.7	10	3	10	6.9	10	5.2	10
SW6010	Manganese, SPLP	mg/l	NA	NA	-	10	-	10	-	10	-	10
SW7470	Mercury, TCLP	mg/l	NA	NA	0.0002 U	0.01	0.0002 U	0.01	0.0002 U	0.01	0.0002 U	0.01
SW6010	Nickel, TCLP	mg/l	NA	NA	0.014 B	2	0.018 B	2	0.016 B	2	0.014 B	2
SW6010	Potassium, TCLP	mg/l	NA	NA	3.8 B	-	4.1 B	-	3.7 B	-	3.6 B	-
SW6010	Selenium, TCLP	mg/l	NA	NA	0.0082 B	0.05	0.0087 B	0.05	0.007 B	0.05	0.014 B	0.05
SW6010	Silver, TCLP	mg/l	NA	NA	0.005 U	-	0.005 U	-	0.005 U	-	0.005 U	-
SW6010	Thallium, TCLP	mg/l	NA	NA	0.005 U	0.02	0.005 U	0.02	0.005 U	0.02	0.005 U	0.02
SW6010	Vanadium, TCLP	mg/l	NA	NA	0.01 U	0.1	0.01 U	0.1	0.01 U	0.1	0.01 U	0.1
SW6010	Zinc, TCLP	mg/l	NA	NA	0.035 B	10	0.046 B	10	0.04 B	10	0.051 B	10
Miscellaneous Parameters												
SW9045	pH	pH	NA	NA	7.8	-	7.8	-	8.3	-	6.6	-
SW9012	Cyanide	mg/kg	1600	4100	0.14 U	-	0.13 U	-	0.13 U	-	0.14 U	-

Table 2-3
Summary of Soil Analytical Results - Inorganic Compounds
Blackhawk Drive
Park Forest, Cook County, Illinois

				Location ID	BH-SB05		BH-SB06		BH-SB06		BH-SS01	
				Field Sample ID	BH-SB05(15-17)-061912		BH-SB06(13-15)-061912		BH-SB06(13-15)-061912D		BH-SS01(0-2)-061912	
				Sample Date	6/19/2012		6/19/2012		6/19/2012		6/19/2012	
Analytical Method	Chemical Name	Unit	RES	CW	Result	SRO-pH	Result	SRO-pH	Result	SRO-pH	Result	SRO-pH
Total Inorganics												
SW6010	Aluminum	mg/kg	NA	NA	10300	-	9700	-	11000	-	8370	-
SW6010	Antimony	mg/kg	31	82	1 U	20	1 U	20	1.1 U	20	1.1 U	20
SW6010	Arsenic	mg/kg	13	61	6.9	120	9.3	120	7.1	120	5.2	120
SW6010	Barium	mg/kg	5500	14000	32.5	2100	23.8	2100	58	2100	40.5	2100
SW6010	Beryllium	mg/kg	160	410	0.57	1000000	0.52	1000000	0.57	1000000	0.41 B	1000000
SW6010	Cadmium	mg/kg	78	200	0.41 U	4300	0.42 U	4300	0.44 U	4300	0.11 B	4300
SW6010	Calcium	mg/kg	NA	NA	44900	-	37000	-	49300	-	83700	-
SW6010	Chromium	mg/kg	230	690	18.2	-	18.3	-	19.2	-	12.1	-
SW6010	Cobalt	mg/kg	4700	12000	10.7	-	10.8	-	10.6	-	6.6	-
SW6010	Copper	mg/kg	2900	8200	18.9	330000	19.1	330000	16.3	330000	35.4	330000
SW6010	Iron	mg/kg	NA	NA	20200	-	20800	-	18800	-	13100	-
SW6010	Lead	mg/kg	400	700	11.2	1420	15.8	1420	10.7	1420	16	1420
SW6010	Magnesium	mg/kg	325000	730000	24500	-	23400	-	22800	-	51100	-
SW6010	Manganese	mg/kg	1600	4100	417	-	339	-	491	-	353	-
SW7471	Mercury	mg/kg	10	NA	0.035 U	40	0.036 U	40	0.037 U	40	0.03 B	40
SW6010	Nickel	mg/kg	1600	4100	28.5	76000	31.5	76000	27.1	76000	16.1	76000
SW6010	Potassium	mg/kg	NA	NA	2880	-	2460	-	2820	-	1700	-
SW6010	Selenium	mg/kg	390	1000	1 U	2.4	1 U	2.4	1.1 U	2.4	1.1 U	2.4
SW6010	Silver	mg/kg	390	1000	0.51 U	-	0.52 U	-	0.55 U	-	0.54 U	-
SW6010	Sodium	mg/kg	NA	NA	206 B	-	130 B	-	157 B	-	135 B	-
SW6010	Thallium	mg/kg	6.3	160	0.19 B	38	0.2 B	38	1.1 U	38	0.26 B	38
SW6010	Vanadium	mg/kg	550	1400	17.3	-	15	-	19	-	17.7	-
SW6010	Zinc	mg/kg	23000	61000	41	110000	57.2	110000	46.5	110000	44.2	110000

Table 2-3
Summary of Soil Analytical Results - Inorganic Compounds
Blackhawk Drive
Park Forest, Cook County, Illinois

				Location ID	BH-SB05		BH-SB06		BH-SB06		BH-SS01		
				Field Sample ID	BH-SB05(15-17)-061912		BH-SB06(13-15)-061912		BH-SB06(13-15)-061912D		BH-SS01(0-2)-061912		
				Sample Date	6/19/2012		6/19/2012		6/19/2012		6/19/2012		
				Analytical Method	Chemical Name	Unit	RES	CW	Result	SRO-pH	Result	SRO-pH	Result
TCLP and SPLP Metals													
SW6010	Aluminum, TCLP	mg/l	NA	NA	0.2 U	-	0.26	-	0.4 U	-	0.28	-	
SW6010	Antimony, TCLP	mg/l	NA	NA	0.006 U	0.024	0.006 U	0.024	0.006 U	0.024	0.006 U	0.024	
SW6010	Arsenic, TCLP	mg/l	NA	NA	0.01 U	0.2	0.01 U	0.2	0.01 U	0.2	0.01 U	0.2	
SW6010	Barium, TCLP	mg/l	NA	NA	0.55	2	0.33 B	2	0.29 B	2	0.49 B	2	
SW6010	Beryllium, TCLP	mg/l	NA	NA	0.004 U	0.5	0.004 U	0.5	0.004 U	0.5	0.004 U	0.5	
SW6010	Cadmium, TCLP	mg/l	NA	NA	0.0009 B	0.05	0.0013 B	0.05	0.003 B	0.05	0.0008 B	0.05	
SW6010	Calcium, TCLP	mg/l	NA	NA	424	-	611	-	1070	-	393	-	
SW6010	Chromium, TCLP	mg/l	NA	NA	0.01 U	1	0.01 U	1	0.01 U	1	0.0022 B	1	
SW6010	Cobalt, TCLP	mg/l	NA	NA	0.042 B	1	0.0069 B	1	0.04 B	1	0.05 U	1	
SW6010	Copper, TCLP	mg/l	NA	NA	0.006 B	0.65	0.0038 B	0.65	0.0038 B	0.65	0.0036 B	0.65	
SW6010	Iron, TCLP	mg/l	NA	NA	0.11	5	0.3	5	0.22	5	0.27	5	
SW6010	Iron, SPLP	mg/l	NA	NA	-	5	-	5	-	5	-	5	
SW6010	Lead, TCLP	mg/l	NA	NA	0.01 U	0.1	0.0025 B	0.1	0.0082 B	0.1	0.01 U	0.1	
SW6010	Magnesium, TCLP	mg/l	NA	NA	54.2	-	53.8	-	275	-	136	-	
SW6010	Manganese, TCLP	mg/l	NA	NA	2.9	10	2.5	10	5.1	10	0.052	10	
SW6010	Manganese, SPLP	mg/l	NA	NA	-	10	-	10	-	10	-	10	
SW7470	Mercury, TCLP	mg/l	NA	NA	0.0002 U	0.01	0.0002 U	0.01	0.0002 U	0.01	0.0002 U	0.01	
SW6010	Nickel, TCLP	mg/l	NA	NA	0.063	2	0.003 B	2	0.013 B	2	0.0073 B	2	
SW6010	Potassium, TCLP	mg/l	NA	NA	5.7	-	4.1 B	-	2.5 B	-	3.4 B	-	
SW6010	Selenium, TCLP	mg/l	NA	NA	0.0091 B	0.05	0.0076 B	0.05	0.013 B	0.05	0.0084 B	0.05	
SW6010	Silver, TCLP	mg/l	NA	NA	0.005 U	-	0.005 U	-	0.005 U	-	0.005 U	-	
SW6010	Thallium, TCLP	mg/l	NA	NA	0.005 U	0.02	0.005 U	0.02	0.005 U	0.02	0.005 U	0.02	
SW6010	Vanadium, TCLP	mg/l	NA	NA	0.01 U	0.1	0.01 U	0.1	0.01 U	0.1	0.01 U	0.1	
SW6010	Zinc, TCLP	mg/l	NA	NA	0.038 B	10	0.015 B	10	0.026 B	10	0.03 B	10	
Miscellaneous Parameters													
SW9045	pH	pH	NA	NA	7.9	-	8.1	-	8.2	-	7.8	-	
SW9012	Cyanide	mg/kg	1600	4100	0.13 U	-	0.14 U	-	0.14 U	-	0.13 U	-	

Table 2-3
Summary of Soil Analytical Results - Inorganic Compounds
Blackhawk Drive
Park Forest, Cook County, Illinois

				Location ID	BH-SS02		BH-SS03		BH-SS04		BH-SS05	
				Field								
				Sample ID	BH-SS02(0-2)-061912		BH-SS03(0-2)-061912		BH-SS04(0-2)-061912		BH-SS05(0-2)-061912	
				Sample Date	6/19/2012		6/19/2012		6/19/2012		6/19/2012	
Analytical Method	Chemical Name	Unit	RES	CW	Result	SRO-pH	Result	SRO-pH	Result	SRO-pH	Result	SRO-pH
Total Inorganics												
SW6010	Aluminum	mg/kg	NA	NA	3050	-	10000	-	12700	-	12300	-
SW6010	Antimony	mg/kg	31	82	1 U	20	0.24 B	20	0.14 B	20	0.16 B	20
SW6010	Arsenic	mg/kg	13	61	2.8	120	5.1	130	8.2	120	5.4	120
SW6010	Barium	mg/kg	5500	14000	20.8	2100	81.4	2100	63.1	1800	60.2	2100
SW6010	Beryllium	mg/kg	160	410	0.15 B	1000000	0.65	1000000	0.65	130000	0.7	1000000
SW6010	Cadmium	mg/kg	78	200	0.14 B	4300	0.065 B	4300	0.4 U	590	0.44 U	4300
SW6010	Calcium	mg/kg	NA	NA	148000	-	60100	-	15000	-	4670	-
SW6010	Chromium	mg/kg	230	690	5.2	-	16.7	-	20.9	-	18.4	-
SW6010	Cobalt	mg/kg	4700	12000	3.4 B	-	6.8	-	12.6	-	7.3	-
SW6010	Copper	mg/kg	2900	8200	6.7	330000	14.7	330000	20.9	330000	17.5	330000
SW6010	Iron	mg/kg	NA	NA	6880	-	14200	-	23700	-	17700	-
SW6010	Lead	mg/kg	400	700	15.7	1420	79.2	3760	13.2	1420	15.4	1420
SW6010	Magnesium	mg/kg	325000	730000	80700	-	28300	-	10700	-	4280	-
SW6010	Manganese	mg/kg	1600	4100	235	-	488	-	980	-	150	-
SW7471	Mercury	mg/kg	10	NA	0.032 U	40	0.036 U	40	0.039 U	32	0.036 U	40
SW6010	Nickel	mg/kg	1600	4100	7	76000	16.7	76000	35.7	14000	23.1	76000
SW6010	Potassium	mg/kg	NA	NA	796	-	1650	-	2150	-	1680	-
SW6010	Selenium	mg/kg	390	1000	1 U	2.4	0.24 B	1.3	1 U	3.3	0.42 B	2.4
SW6010	Silver	mg/kg	390	1000	0.52 U	-	0.54 U	-	0.5 U	-	0.55 U	-
SW6010	Sodium	mg/kg	NA	NA	148 B	-	162 B	-	73.2 B	-	70.6 B	-
SW6010	Thallium	mg/kg	6.3	160	0.42 B	38	0.28 B	49	1 U	34	1.1 U	38
SW6010	Vanadium	mg/kg	550	1400	7.2	-	19.6	-	18.9	-	21.3	-
SW6010	Zinc	mg/kg	23000	61000	22.3	110000	45.5	110000	56.5	32000	46	110000

Table 2-3
Summary of Soil Analytical Results - Inorganic Compounds
Blackhawk Drive
Park Forest, Cook County, Illinois

				Location ID	BH-SS02		BH-SS03		BH-SS04		BH-SS05	
				Field								
				Sample ID	BH-SS02(0-2)-061912		BH-SS03(0-2)-061912		BH-SS04(0-2)-061912		BH-SS05(0-2)-061912	
				Sample Date	6/19/2012		6/19/2012		6/19/2012		6/19/2012	
Analytical Method	Chemical Name	Unit	RES	CW	Result	SRO-pH	Result	SRO-pH	Result	SRO-pH	Result	SRO-pH
TCLP and SPLP Metals												
SW6010	Aluminum, TCLP	mg/l	NA	NA	0.11 B	-	0.2 U	-	0.31	-	0.25	-
SW6010	Antimony, TCLP	mg/l	NA	NA	0.006 U	0.024	0.0048 B	0.024	0.006 U	0.024	0.006 U	0.024
SW6010	Arsenic, TCLP	mg/l	NA	NA	0.01 U	0.2	0.01 U	0.2	0.01 U	0.2	0.0056 B	0.2
SW6010	Barium, TCLP	mg/l	NA	NA	0.32 B	2	0.51	2	0.27 B	2	0.25 B	2
SW6010	Beryllium, TCLP	mg/l	NA	NA	0.004 U	0.5	0.004 U	0.5	0.004 U	0.5	0.0007 B	0.5
SW6010	Cadmium, TCLP	mg/l	NA	NA	0.0008 B	0.05	0.0007 B	0.05	0.004 U	0.05	0.0003 B	0.05
SW6010	Calcium, TCLP	mg/l	NA	NA	366	-	591	-	95.2	-	114	-
SW6010	Chromium, TCLP	mg/l	NA	NA	0.007 B	1	0.0027 B	1	0.0014 B	1	0.0011 B	1
SW6010	Cobalt, TCLP	mg/l	NA	NA	0.001 B	1	0.0064 B	1	0.05 U	1	0.0069 B	1
SW6010	Copper, TCLP	mg/l	NA	NA	0.0057 B	0.65	0.0056 B	0.65	0.0044 B	0.65	0.0064 B	0.65
SW6010	Iron, TCLP	mg/l	NA	NA	0.1	5	0.06 B	5	0.17	5	0.15	5
SW6010	Iron, SPLP	mg/l	NA	NA	-	5	-	5	-	5	-	5
SW6010	Lead, TCLP	mg/l	NA	NA	0.01 U	0.1	0.01 U	0.1	0.01 U	0.1	0.0072 B	0.1
SW6010	Magnesium, TCLP	mg/l	NA	NA	133	-	33.9	-	33.6	-	34.9	-
SW6010	Manganese, TCLP	mg/l	NA	NA	1.1	10	4	10	0.045	10	1.2	10
SW6010	Manganese, SPLP	mg/l	NA	NA	-	10	-	10	-	10	0.014 B	10
SW7470	Mercury, TCLP	mg/l	NA	NA	0.0002 U	0.01	0.0002 U	0.01	0.0002 U	0.01	0.0002 U	0.01
SW6010	Nickel, TCLP	mg/l	NA	NA	0.004 B	2	0.0084 B	2	0.0042 B	2	0.0086 B	2
SW6010	Potassium, TCLP	mg/l	NA	NA	3.2 B	-	3.8 B	-	1.7 B	-	1.9 B	-
SW6010	Selenium, TCLP	mg/l	NA	NA	0.008 B	0.05	0.0076 B	0.05	0.0071 B	0.05	0.0071 B	0.05
SW6010	Silver, TCLP	mg/l	NA	NA	0.005 U	-	0.005 U	-	0.005 U	-	0.005 U	-
SW6010	Thallium, TCLP	mg/l	NA	NA	0.005 U	0.02	0.005 U	0.02	0.005 U	0.02	0.005 U	0.02
SW6010	Vanadium, TCLP	mg/l	NA	NA	0.01 U	0.1	0.0024 B	0.1	0.01 U	0.1	0.01 U	0.1
SW6010	Zinc, TCLP	mg/l	NA	NA	0.046 B	10	0.022 B	10	0.022 B	10	0.023 B	10
Miscellaneous Parameters												
SW9045	pH	pH	NA	NA	7.9	-	11.5	-	7.4	-	7.9	-
SW9012	Cyanide	mg/kg	1600	4100	0.12 U	-	0.14 U	-	0.14 U	-	0.14 U	-

Table 2-3
Summary of Soil Analytical Results - Inorganic Compounds
Blackhawk Drive
Park Forest, Cook County, Illinois

				Location ID	BH-SS05		BH-SS06	
				Field Sample ID	BH-SS05(0-2)-061912D		BH-SS06(0-2)-061912	
				Sample Date	6/19/2012		6/19/2012	
Analytical Method	Chemical Name	Unit	RES	CW	Result	SRO-pH	Result	SRO-pH
Total Inorganics								
SW6010	Aluminum	mg/kg	NA	NA	11900	-	10400	-
SW6010	Antimony	mg/kg	31	82	1.1 U	20	1.2 U	20
SW6010	Arsenic	mg/kg	13	61	6.8	120	6.1	120
SW6010	Barium	mg/kg	5500	14000	123	1800	80.3	1800
SW6010	Beryllium	mg/kg	160	410	0.86	130000	0.56	130000
SW6010	Cadmium	mg/kg	78	200	0.13 B	590	0.17 B	590
SW6010	Calcium	mg/kg	NA	NA	37900	-	51400	-
SW6010	Chromium	mg/kg	230	690	22.5	-	14.9	-
SW6010	Cobalt	mg/kg	4700	12000	8.8	-	7.6	-
SW6010	Copper	mg/kg	2900	8200	23.2	330000	15.8	330000
SW6010	Iron	mg/kg	NA	NA	20800	-	15100	-
SW6010	Lead	mg/kg	400	700	31.1	1420	23.7	1420
SW6010	Magnesium	mg/kg	325000	730000	15500	-	22700	-
SW6010	Manganese	mg/kg	1600	4100	983	-	428	-
SW7471	Mercury	mg/kg	10	NA	0.028 B	32	0.02 B	32
SW6010	Nickel	mg/kg	1600	4100	22.3	14000	17.2	14000
SW6010	Potassium	mg/kg	NA	NA	1750	-	1760	-
SW6010	Selenium	mg/kg	390	1000	1.1 U	3.3	0.29 B	3.3
SW6010	Silver	mg/kg	390	1000	0.53 U	-	0.58 U	-
SW6010	Sodium	mg/kg	NA	NA	125 B	-	116 B	-
SW6010	Thallium	mg/kg	6.3	160	1.1 U	34	1.2 U	34
SW6010	Vanadium	mg/kg	550	1400	22.8	-	18.8	-
SW6010	Zinc	mg/kg	23000	61000	67.9	32000	49.3	32000

Table 2-3
Summary of Soil Analytical Results - Inorganic Compounds
Blackhawk Drive
Park Forest, Cook County, Illinois

				Location ID	BH-SS05		BH-SS06	
				Field Sample ID	BH-SS05(0-2)-061912D		BH-SS06(0-2)-061912	
				Sample Date	6/19/2012		6/19/2012	
				Analytical Method	Chemical Name	Unit	RES	CW
TCLP and SPLP Metals								
SW6010	Aluminum, TCLP	mg/l	NA	NA	0.022 B	-	0.2 U	-
SW6010	Antimony, TCLP	mg/l	NA	NA	0.006 U	0.024	0.006 U	0.024
SW6010	Arsenic, TCLP	mg/l	NA	NA	0.01 U	0.2	0.01 U	0.2
SW6010	Barium, TCLP	mg/l	NA	NA	0.98	2	0.46 B	2
SW6010	Beryllium, TCLP	mg/l	NA	NA	0.004 U	0.5	0.004 U	0.5
SW6010	Cadmium, TCLP	mg/l	NA	NA	0.0018 B	0.05	0.0009 B	0.05
SW6010	Calcium, TCLP	mg/l	NA	NA	447	-	292	-
SW6010	Chromium, TCLP	mg/l	NA	NA	0.01 U	1	0.01 U	1
SW6010	Cobalt, TCLP	mg/l	NA	NA	0.016 B	1	0.0031 B	1
SW6010	Copper, TCLP	mg/l	NA	NA	0.0096 B	0.65	0.0054 B	0.65
SW6010	Iron, TCLP	mg/l	NA	NA	0.15	5	0.021 B	5
SW6010	Iron, SPLP	mg/l	NA	NA	-	5	-	5
SW6010	Lead, TCLP	mg/l	NA	NA	0.01 U	0.1	0.01 U	0.1
SW6010	Magnesium, TCLP	mg/l	NA	NA	49.1	-	123	-
SW6010	Manganese, TCLP	mg/l	NA	NA	21.9	10	2.2	10
SW6010	Manganese, SPLP	mg/l	NA	NA	-	10	-	10
SW7470	Mercury, TCLP	mg/l	NA	NA	0.0002 U	0.01	0.0002 U	0.01
SW6010	Nickel, TCLP	mg/l	NA	NA	0.015 B	2	0.0044 B	2
SW6010	Potassium, TCLP	mg/l	NA	NA	5	-	4.6 B	-
SW6010	Selenium, TCLP	mg/l	NA	NA	0.0058 B	0.05	0.0063 B	0.05
SW6010	Silver, TCLP	mg/l	NA	NA	0.0037 B	-	0.005 U	-
SW6010	Thallium, TCLP	mg/l	NA	NA	0.01 U	0.02	0.005 U	0.02
SW6010	Vanadium, TCLP	mg/l	NA	NA	0.0014 B	0.1	0.01 U	0.1
SW6010	Zinc, TCLP	mg/l	NA	NA	0.098 B	10	0.025 B	10
Miscellaneous Parameters								
SW9045	pH	pH	NA	NA	7.5	-	7.6	-
SW9012	Cyanide	mg/kg	1600	4100	0.14 U	-	0.14 U	-

Table 2-3
Summary of Soil Analytical Results - Inorganic Constituents
Blackhawk Drive
Park Forest, Cook County, Illinois

Notes and Abbreviations:


-  Blue shaded values indicate concentration exceeds the Soil Remediation Objective for the Soil Component of the Groundwater Ingestion Route (Class I Groundwater).
- D - Field duplicate sample
- ft bgs - Feet below ground surface
- ID - Identification
- J - Concentration Estimated
- mg/kg - Milligram per kilogram
- mg/L - Milligram per liter
- NA - Not available
- SRO-pH - pH-specific soil remediation objective
- TCCLP - Toxicity characteristic leaching procedure
- U - Constituent not detected. Reporting limit presented.
- Constituent not analyzed

Table 2-4
Field Parameters Collected During Monitoring Well Purging
Blackhawk Drive
Park Forest, Cook County, Illinois

Location ID	Purge Date	Well Volume (liters)	Volume Purged (liters)	Depth to Water (ft below TOC)	Specific Conductivity (µS/cm)	pH (Standard Units)	Oxidation-Reduction Potential (mV)	Temperature (°C)	Dissolved Oxygen (%)	Turbidity (NTU)
BH-MW01	6/22/2012	20.0	0.5	6.57	888	6.91	23.6	15.15	1.9	>1000
			2.5	6.60	867	6.90	21.3	15.16	1.9	>1000
			5.0	6.61	891	6.89	21.1	15.14	1.9	>1000
			7.5	6.71	910	6.98	22.0	15.16	2.0	525
			10.0	6.74	965	6.98	19.0	15.25	2.0	361
			12.5	6.93	936	7.05	18.6	15.52	1.9	97.3
			15.0	7.09	902	7.05	21.6	15.43	2.4	50.5
			17.5	7.11	915	7.03	24.8	15.31	2.1	32.4
			20.0	7.13	903	7.01	27.0	15.35	2.1	8.11
BH-MW02	6/22/2012	17.5	0.5	15.60	912	7.74	125.5	13.33	5.6	29
			2.5	16.14	906	7.79	95.0	13.32	5.7	22.9
			5.0	16.36	921	7.57	83.4	13.24	5.8	15.8
			7.5	16.42	910	7.70	77.3	13.27	5.8	14.6
			10.0	16.43	899	7.67	61.2	13.26	5.8	13.2
			12.5	16.43	895	7.67	58.2	13.25	5.9	13.5
			15.0	16.43	893	7.66	55.1	13.24	5.9	14.5
			17.5	16.42	890	7.67	51.6	13.25	6.0	13.4
BH-MW03	6/22/2012	22.5	0.5	6.34	920	7.05	135.6	14.18	1.9	>1000
			2.5	6.37	914	7.01	103.4	14.27	2.0	>1000
			5.0	6.41	917	7.04	87.6	14.03	2.0	>1000
			7.5	6.40	902	7.11	54.2	13.77	2.0	>1000
			10.0	6.40	904	7.13	56.1	13.65	2.0	277
			12.5	6.42	899	7.14	57.0	13.42	1.9	107
			15.0	6.42	880	7.14	61.2	13.47	1.8	55.3
			17.5	6.41	883	7.15	60.1	13.47	1.9	30.2
			20.0	6.40	885	7.14	57.8	13.45	2.0	28.1
			22.5	6.40	881	7.14	55.9	13.45	2.0	31.8

Notes and Abbreviations:

% - percent

mV - millivolts

µS/cm - microsiemens per centimeter

NTU - nephelometric turbidity units

TOC - top of casing

Table 2-5
Summary of Groundwater Analytical Results
Blackhawk Drive
Park Forest, Cook County, Illinois

			Location ID	BH-MW01	BH-MW01	BH-MW02	BH-MW03
			Field Sample ID	BH-MW01-062212	BH-MW01-062212D	BH-MW02-062212	BH-MW03-062212
			Sample Date	6/22/2012	6/22/2012	6/22/2012	6/22/2012
			GW Class II				
Analytical Method	Chemical Name	Unit					
Total Inorganics							
SW6010	Aluminum	ug/l	NA	260	295	410	295
SW6010	Antimony	ug/l	24	6 U	6 U	6 U	6 U
SW6010	Arsenic	ug/l	200	4 U	4 U	4 U	4 U
SW6010	Barium	ug/l	2000	121	123	292	41.3 B
SW6010	Beryllium	ug/l	500	4 U	4 U	4 U	4 U
SW6010	Cadmium	ug/l	50	4 U	4 U	4 U	0.3 B
SW6010	Calcium	ug/l	NA	195000	199000	293000	93300
SW6010	Chromium	ug/l	1000	10 U	10 U	1.8 B	10 U
SW6010	Cobalt	ug/l	1000	2 B	2 B	2.5 B	0.4 B
SW6010	Copper	ug/l	650	3.7 B	3.5 B	2.1 B	25 U
SW6010	Iron	ug/l	NA	2720	2870	907	210
SW6010	Lead	ug/l	100	5 U	5 U	5 U	5 U
SW6010	Magnesium	ug/l	NA	47100	47900	99700	42900
SW6010	Manganese	ug/l	10000	605	619	171	42.4
SW6010	Nickel	ug/l	2000	5.7 B	5.8 B	8.9 B	0.9 B
SW6010	Potassium	ug/l	NA	2720 B	2720 B	8740	2080 B
SW6010	Selenium	ug/l	50	10 U	10 U	2.6 B	2 B
SW6010	Silver	ug/l	NA	5 U	5 U	5 U	5 U
SW6010	Sodium	ug/l	NA	61200	62300	26800	144000
SW6010	Thallium	ug/l	20	2 U	2 U	2 U	2 U
SW6010	Vanadium	ug/l	100	10 U	10 U	10 U	10 U
SW6010	Zinc	ug/l	10000	13.8 B	5.4 B	26.4	8.9 B
SW7470	Mercury	ug/l	10	0.071 B	0.07 B	0.2 U	0.2 U
VOCs							
SW8260	1,1,1-Trichloroethane	ug/l	1000	1 U	1 U	1 U	1 U
SW8260	1,1,2,2-Tetrachloroethane	ug/l	NA	1 U	1 U	1 U	1 U
SW8260	1,1,2-Trichloroethane	ug/l	50	1 U	1 U	1 U	1 U
SW8260	1,1-Dichloroethane	ug/l	3500	1 U	1 U	1 U	1 U
SW8260	1,1-Dichloroethene	ug/l	35	1 U	1 U	1 U	1 U
SW8260	1,2-Dichloroethane	ug/l	25	1 U	1 U	1 U	1 U
SW8260	1,2-Dichloropropane	ug/l	25	2 U	2 U	2 U	2 U
SW8260	2-Butanone (MEK)	ug/l	NA	5 U	5 U	5 U	5 U
SW8260	2-Hexanone	ug/l	NA	5 U	5 U	5 U	5 U
SW8260	4-Methyl-2-pentanone (MIBK)	ug/l	NA	5 U	5 U	5 U	5 U
SW8260	Acetone	ug/l	6300	5 U	8.1	11.9	5 U
SW8260	Benzene	ug/l	25	0.5 U	0.5 U	0.5 U	0.5 U
SW8260	Bromodichloromethane	ug/l	.2	1 U	1 U	1 U	1 U
SW8260	Bromoform	ug/l	1	1 U	1 U	1 U	1 U
SW8260	Bromomethane	ug/l	49	2 U	2 U	2 U	2 UJ
SW8260	Carbon disulfide	ug/l	3500	5 U	5 U	5 U	5 U
SW8260	Carbon tetrachloride	ug/l	25	1 U	1 U	1 U	1 U
SW8260	Chlorobenzene	ug/l	500	1 U	1 U	1 U	1 U
SW8260	Chloroethane	ug/l	NA	2 U	2 U	2 U	2 U

Table 2-5
Summary of Groundwater Analytical Results
Blackhawk Drive
Park Forest, Cook County, Illinois

			Location ID	BH-MW01	BH-MW01	BH-MW02	BH-MW03
			Field Sample ID	BH-MW01-062212	BH-MW01-062212D	BH-MW02-062212	BH-MW03-062212
			Sample Date	6/22/2012	6/22/2012	6/22/2012	6/22/2012
Analytical Method	Chemical Name	Unit	GW Class II				
SW8260	Chloroform	ug/l	1	1 U	1 U	1 U	1 U
SW8260	Chloromethane	ug/l	NA	2 U	2 U	2 U	2 UJ
SW8260	cis-1,2-Dichloroethene	ug/l	200	1 U	1 U	1 U	1 U
SW8260	cis-1,3-Dichloropropene	ug/l	NA	0.5 U	0.5 U	0.5 U	0.5 U
SW8260	Dibromochloromethane	ug/l	140	1 U	1 U	1 U	1 U
SW8260	Ethylbenzene	ug/l	1000	1 U	1 U	1 U	1 U
SW8260	Methylene chloride	ug/l	50	2 U	2 U	2 U	2 U
SW8260	Styrene	ug/l	500	5 U	5 U	5 U	5 U
SW8260	Tetrachloroethene	ug/l	25	1 U	1 U	1 U	1 U
SW8260	Toluene	ug/l	2500	1 U	1 U	1 U	1 U
SW8260	trans-1,2-Dichloroethene	ug/l	500	1 U	1 U	1 U	1 U
SW8260	trans-1,3-Dichloropropene	ug/l	NA	0.5 U	0.5 U	0.5 U	0.5 U
SW8260	Trichloroethene	ug/l	25	1 U	1 U	1 U	1 U
SW8260	Vinyl chloride	ug/l	10	1 U	1 U	1 U	1 U
SW8260	Xylene (total)	ug/l	10000	1 U	1 U	1 U	1 U
SVOCs							
SW8270	1,2,4-Trichlorobenzene	ug/l	700	5 U	5.6 U	5 U	5.4 U
SW8270	1,2-Dichlorobenzene	ug/l	1500	5 U	5.6 U	5 U	5.4 U
SW8270	1,3-Dichlorobenzene	ug/l	NA	5 U	5.6 U	5 U	5.4 U
SW8270	1,4-Dichlorobenzene	ug/l	375	5 U	5.6 U	5 U	5.4 U
SW8270	2,4,5-Trichlorophenol	ug/l	3500	10 U	11 U	10 U	11 U
SW8270	2,4,6-Trichlorophenol	ug/l	50	10 U	11 U	10 U	11 U
SW8270	2,4-Dichlorophenol	ug/l	21	10 U	11 U	10 U	11 U
SW8270	2,4-Dimethylphenol	ug/l	140	10 U	11 U	10 U	11 U
SW8270	2,4-Dinitrophenol	ug/l	14	20 U	22 U	20 U	22 U
SW8270	2,4-Dinitrotoluene	ug/l	.02	10 U	11 U	10 U	11 U
SW8270	2,6-Dinitrotoluene	ug/l	.31	10 U	11 U	10 U	11 U
SW8270	2-Chloronaphthalene	ug/l	NA	5 U	5.6 U	5 U	5.4 U
SW8270	2-Chlorophenol	ug/l	175	5 U	5.6 U	5 U	5.4 U
SW8270	2-Methylnaphthalene	ug/l	NA	0.72 J	0.54 J	0.31 J	2.2 U
SW8270	2-Methylphenol	ug/l	350	10 U	11 U	10 U	11 U
SW8270	2-Nitroaniline	ug/l	NA	10 U	11 U	10 U	11 U
SW8270	2-Nitrophenol	ug/l	NA	10 U	11 U	10 U	11 U
SW8270	3&4-Methylphenol	ug/l	NA	10 U	11 U	10 U	11 U
SW8270	3,3'-Dichlorobenzidine	ug/l	100	5 U	5.6 U	5 U	5.4 U
SW8270	3-Nitroaniline	ug/l	NA	10 U	11 U	10 U	11 U
SW8270	4,6-Dinitro-o-cresol	ug/l	NA	10 U	11 U	10 U	11 U
SW8270	4-Bromophenyl phenyl ether	ug/l	NA	5 U	5.6 U	5 U	5.4 U
SW8270	4-Chloro-3-methyl phenol	ug/l	NA	10 U	11 U	10 U	11 U
SW8270	4-Chloroaniline	ug/l	28	10 U	11 U	10 U	11 U
SW8270	4-Chlorophenyl phenyl ether	ug/l	NA	5 U	5.6 U	5 U	5.4 U
SW8270	4-Nitroaniline	ug/l	NA	10 U	11 U	10 U	11 U
SW8270	4-Nitrophenol	ug/l	NA	20 U	22 U	20 U	22 U
SW8270	Acenaphthene	ug/l	2100	2 U	2.2 U	2 U	2.2 U

Table 2-5
Summary of Groundwater Analytical Results
Blackhawk Drive
Park Forest, Cook County, Illinois

			Location ID	BH-MW01	BH-MW01	BH-MW02	BH-MW03
			Field Sample ID	BH-MW01-062212	BH-MW01-062212D	BH-MW02-062212	BH-MW03-062212
			Sample Date	6/22/2012	6/22/2012	6/22/2012	6/22/2012
Analytical Method	Chemical Name	Unit	GW Class II				
SW8270	Acenaphthylene	ug/l	NA	2 U	2.2 U	2 U	2.2 U
SW8270	Anthracene	ug/l	10500	2 U	2.2 U	2 U	2.2 U
SW8270	Benzo(a)anthracene	ug/l	.65	2 U	2.2 U	2 U	2.2 U
SW8270	Benzo(a)pyrene	ug/l	2	2 U	2.2 U	2 U	2.2 U
SW8270	Benzo(b)fluoranthene	ug/l	.9	2 U	2.2 U	2 U	2.2 U
SW8270	Benzo(g,h,i)perylene	ug/l	NA	2 U	2.2 U	2 U	2.2 U
SW8270	Benzo(k)fluoranthene	ug/l	.85	2 U	2.2 U	2 U	2.2 U
SW8270	bis(2-Chloroethoxy)methane	ug/l	NA	5 U	5.6 U	5 U	5.4 U
SW8270	bis(2-Chloroethyl)ether	ug/l	10	5 U	5.6 U	5 U	5.4 U
SW8270	bis(2-Chloroisopropyl)ether	ug/l	NA	5 U	5.6 U	5 U	5.4 U
SW8270	bis(2-Ethylhexyl)phthalate	ug/l	60	2 U	0.45 J	0.61 J	2.2 U
SW8270	Butyl benzyl phthalate	ug/l	7000	5 U	5.6 U	5 U	5.4 U
SW8270	Carbazole	ug/l	NA	2 U	2.2 U	2 U	2.2 U
SW8270	Chrysene	ug/l	7.5	2 U	2.2 U	2 U	2.2 U
SW8270	Dibenzo(a,h)anthracene	ug/l	1.5	2 U	2.2 U	2 U	2.2 U
SW8270	Dibenzofuran	ug/l	NA	0.3 J	2.2 U	0.26 J	2.2 U
SW8270	Diethyl phthalate	ug/l	5600	0.71 J	0.51 J	0.86 J	5.4 U
SW8270	Dimethyl phthalate	ug/l	NA	5 U	5.6 U	5 U	5.4 U
SW8270	Di-n-butyl phthalate	ug/l	3500	5 U	5.6 U	5 U	5.4 U
SW8270	Di-n-octyl phthalate	ug/l	700	5 U	5.6 U	5 U	5.4 U
SW8270	Fluoranthene	ug/l	1400	2 U	2.2 U	2 U	2.2 U
SW8270	Fluorene	ug/l	1400	0.45 J	0.31 J	0.46 J	2.2 U
SW8270	Hexachlorobenzene	ug/l	.3	5 U	5.6 U	5 U	5.4 U
SW8270	Hexachlorobutadiene	ug/l	NA	5 U	5.6 U	5 U	5.4 U
SW8270	Hexachlorocyclopentadiene	ug/l	500	10 U	11 U	10 U	11 U
SW8270	Hexachloroethane	ug/l	35	5 U	5.6 U	5 U	5.4 U
SW8270	Indeno(1,2,3-cd)pyrene	ug/l	2.15	2 U	2.2 U	2 U	2.2 U
SW8270	Isophorone	ug/l	1400	5 U	5.6 U	5 U	5.4 U
SW8270	Naphthalene	ug/l	220	0.31 J	2.2 U	2 U	2.2 U
SW8270	Nitrobenzene	ug/l	3.5	5 U	5.6 U	5 U	5.4 U
SW8270	N-Nitroso-di-n-propylamine	ug/l	1.8	5 U	5.6 U	5 U	5.4 U
SW8270	N-Nitrosodiphenylamine	ug/l	16	5 U	5.6 U	5 U	5.4 U
SW8270	Pentachlorophenol	ug/l	5	10 U	11 U	10 U	11 U
SW8270	Phenanthrene	ug/l	NA	0.54 J	0.45 J	0.61 J	2.2 U
SW8270	Phenol	ug/l	100	5 U	5.6 U	5 U	5.4 U
SW8270	Pyrene	ug/l	1050	2 U	2.2 U	2 U	2.2 U

Notes and Abbreviations:

'D - Field duplicate sample
ft bgs - Feet below ground surface
ID - Identification
J - Concentration Estimated
NA - Not available
SVOC - Semivolatile organic compound

Table 2-5
Summary of Groundwater Analytical Results
Blackhawk Drive
Park Forest, Cook County, Illinois

			Location ID	BH-MW01	BH-MW01	BH-MW02	BH-MW03
			Field Sample ID	BH-MW01-062212	BH-MW01-062212D	BH-MW02-062212	BH-MW03-062212
			Sample Date	6/22/2012	6/22/2012	6/22/2012	6/22/2012
			GW Class II				
Analytical Method	Chemical Name	Unit					

U - Constituent not detected. Reporting limit presented.

UG/L - Microgram per liter

VOC - Volatile organic compound

Table 2-6
Hydraulic Conductivity Testing Results
Blackhawk Drive
Park Forest, Cook County, Illinois

Monitoring Well ID	Falling Head Test (cm/sec)	Rising Head Test (cm/sec)	Mean (cm/sec)
MW01	3.1E-06	1.6E-06	2.4E-06
MW02	1.7E-04	6.9E-06	8.7E-05
MW03	5.6E-04	2.7E-04	4.2E-04
Geometric Mean (cm/sec)	2.2E-05		
Geometric Mean (ft/min)	4.4E-05		
Geometric Mean (ft/day)	6.3E-02		

Notes:

cm/sec = Centimeters per second

ft/min = Feet per minute

ft/day = Feet per day

ID = Identification

The falling head test result for MW02 is not representative of the stratigraphy encountered and was not used in the calculation of the geometric mean.

FIGURES

Image Source: ESRI US Topo Maps

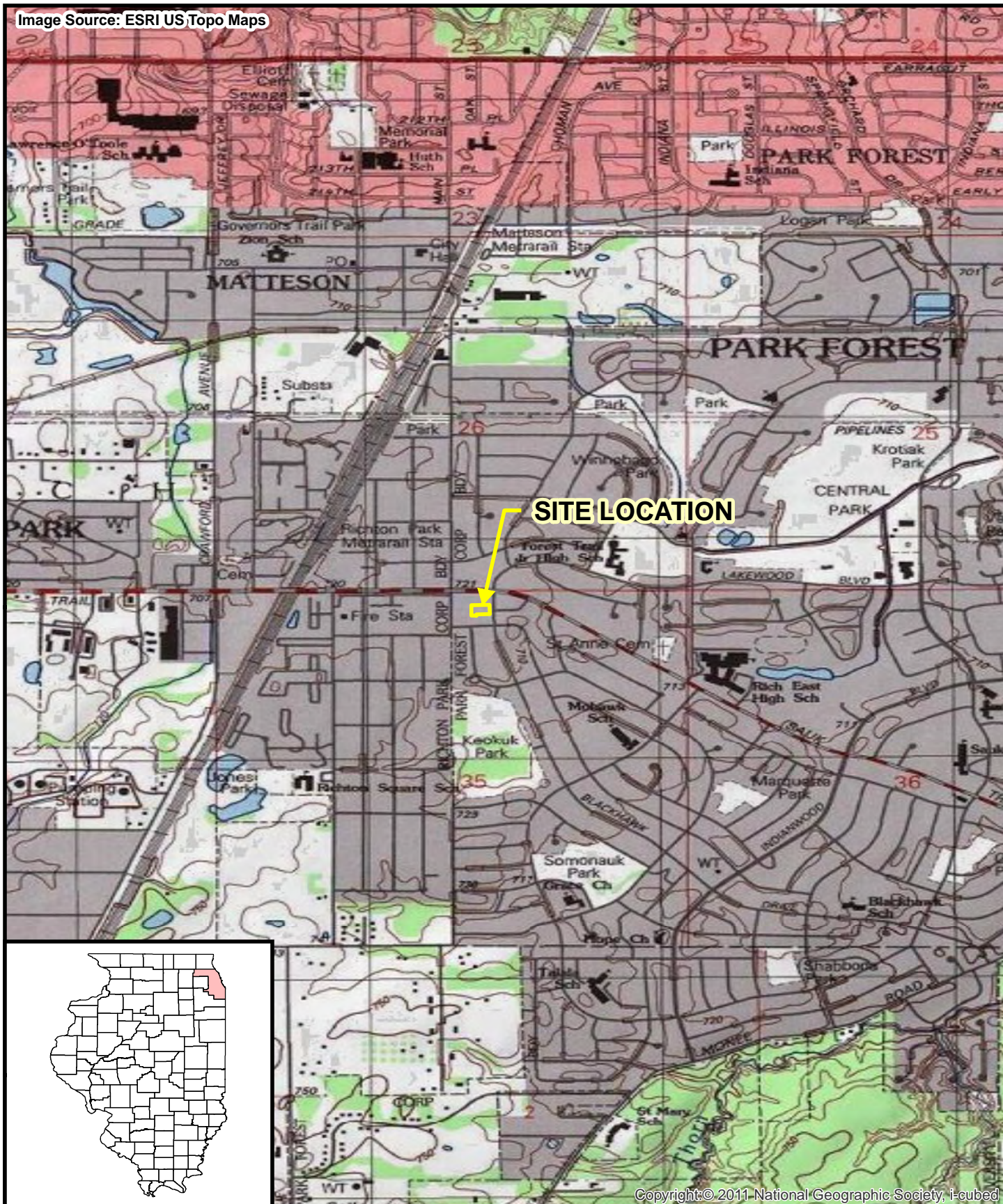


Image Source: ESRI US Topo Maps



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Legend

Property Boundary

0 150 Feet



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Contract No.: EP-S5-06-04
TDD: S05-0008-1203-020
DCN: 1802-2A-BASM



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Figure 1-2
Site Features Map
Blackhawk Drive Site
Park Forest, Cook County, Illinois

Image Source: ESRI US Topo Maps



Legend

Sampling Locations

- Monitoring Well
- Soil Boring
- Soil Boring/
Monitoring Well
- Property Boundary

0 100 Feet



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Figure 2-1
Sampling Location Map
Blackhawk Drive Site
Park Forest, Cook County, Illinois

Image Source: ESRI US Topo Maps



Legend

Sampling Locations

- Monitoring Well
- Soil Boring
- Soil Boring/
Monitoring Well
- Cross Sections
- Property Boundary

0 100 Feet



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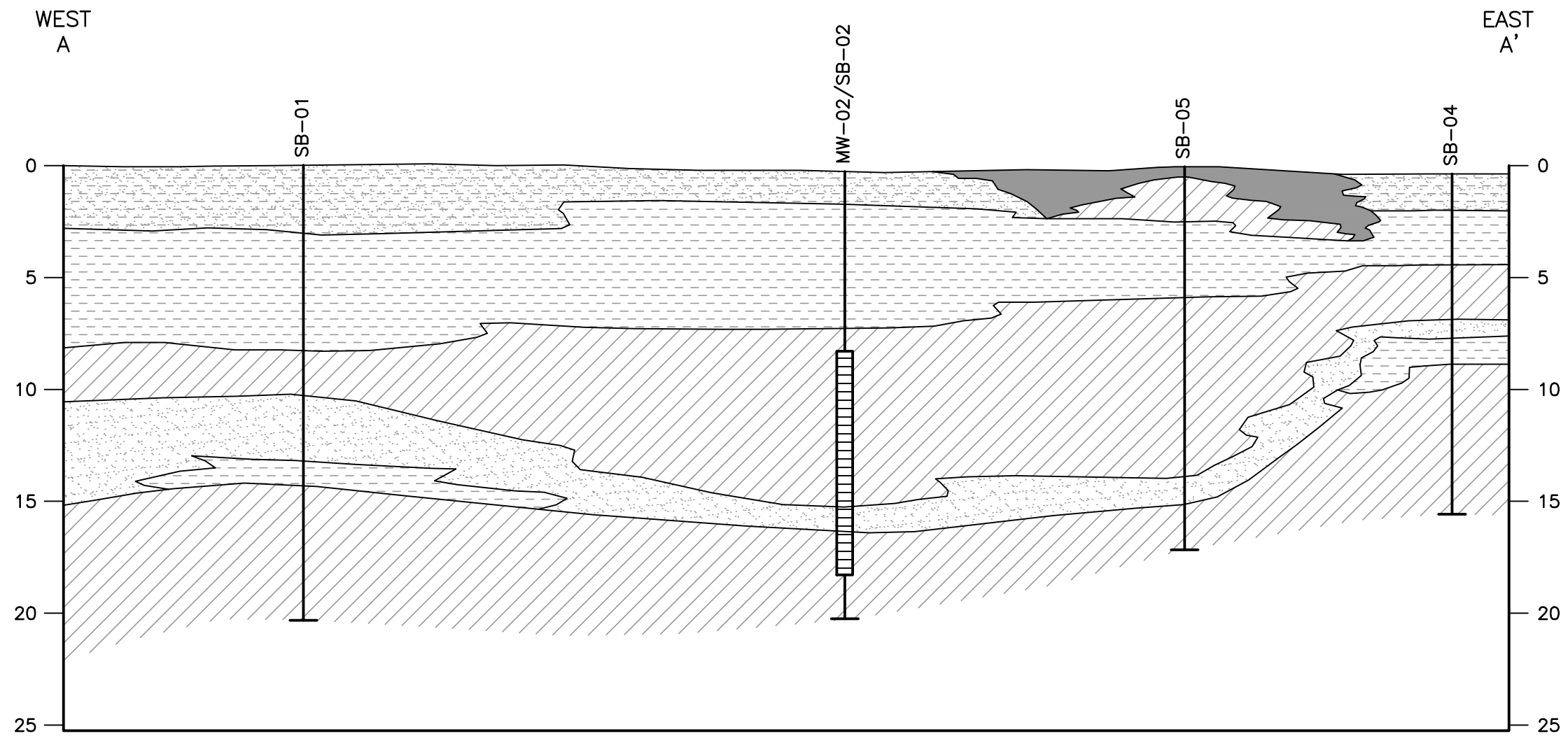
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



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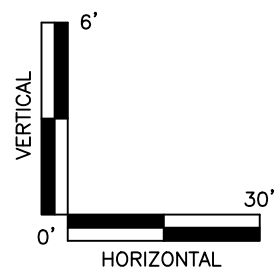
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Figure 2-2
Cross Section Location Map
Blackhawk Drive Site
Park Forest, Cook County, Illinois



LEGEND

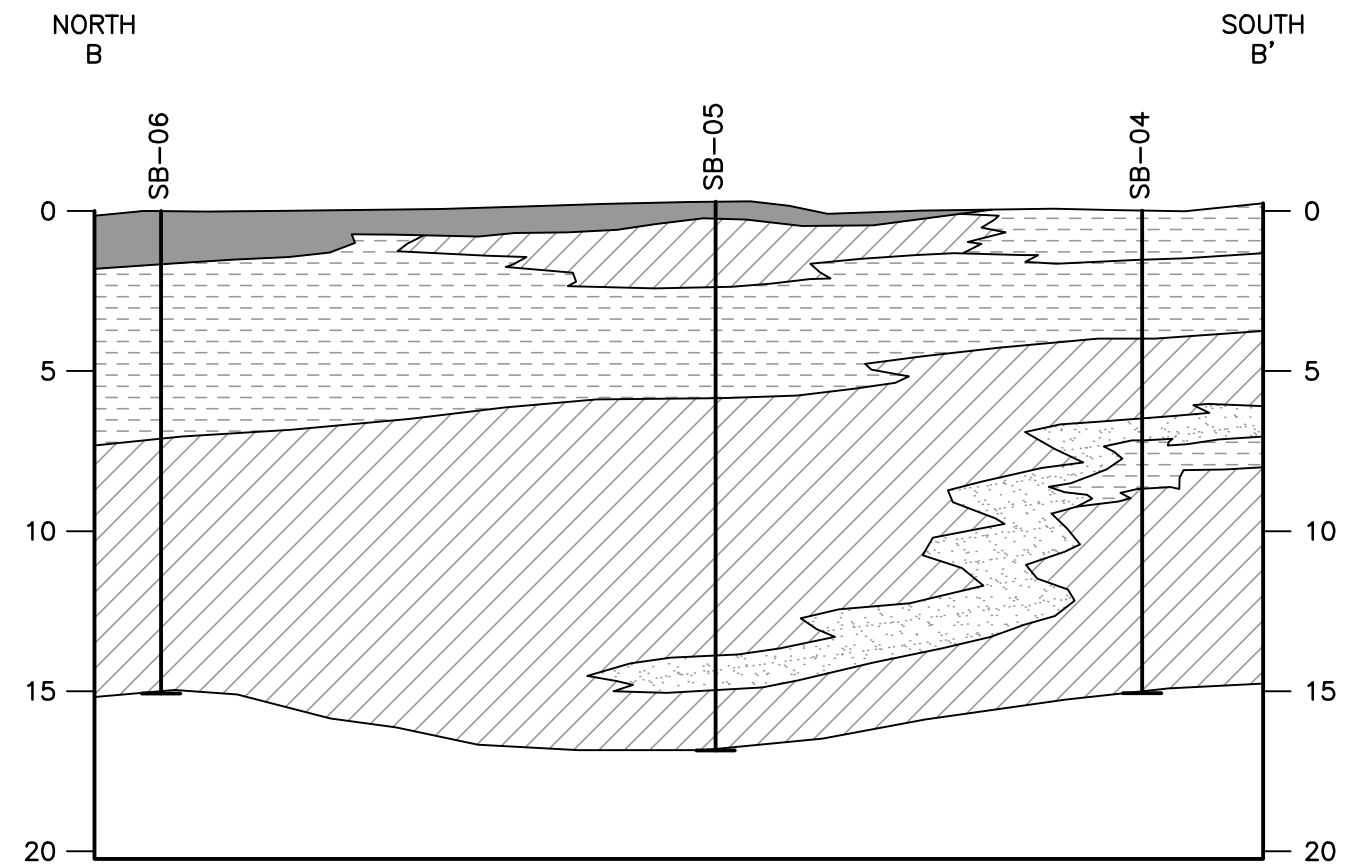
-  FILL
-  SANDY SILT
-  SAND
-  SILT
-  CLAY



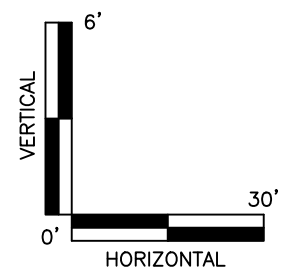
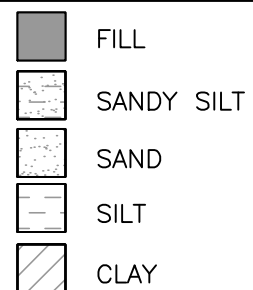
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Figure 2-3
Geologic Cross Section A-A'
Blackhawk Drive Site
Park Forest, Cook County, Illinois



LEGEND



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Figure 2-4
Geologic Cross Section B-B'
Blackhawk Drive Site
Park Forest, Cook County, Illinois

Image Source: ESRI US Topo Maps

Sauk Trail

Blackhawk Dr

MW-02
(14.52')

12

8

0.2 ft/ft

MW-01
(6.14')

MW-03
(6.10')

Miami St

Blackhawk

Legend

- Hydraulic Gradient/
Flow Direction
- Groundwater
Elevation Contour

Sampling Locations

- Sampling Locations
- Property Boundary

0 75 Feet



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Figure 2-5
Groundwater Flow Map
Blackhawk Drive Site
Park Forest, Cook County, Illinois

APPENDIX A
PHASE I ESA

February 18, 2011
Project No. 1382304-02

PHASE I ENVIRONMENTAL SITE ASSESSMENT

**381 Blackhawk Drive
Park Forest, Illinois**

Prepared For:

**Ms. Hildy Kingma
Director of Economic Development and Planning
Village of Park Forest
350 Victory Drive
Park Forest, Illinois 60466**

EXECUTIVE SUMMARY

The Village of Park Forest (the *user*) retained **Weaver Boos Consultants North Central, LLC** (Weaver Boos) to perform a *Phase I Environmental Site Assessment* (ESA) of the property located at 381 Blackhawk Drive in Park Forest, Illinois (the Property). Weaver Boos performed this Phase I ESA in general compliance with the American Society for Testing Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E 1527-05) in an effort to identify, to the extent feasible, the presence of *recognized environmental conditions* with respect to the Property as defined in ASTM E 1527-05. Limitations, exceptions to, or deletions from this practice are described in **Sections 1.5 and 11.0** of this report.

The Property consists of two parcels with dimensions of 145' by 210' and an approximate area of 0.70 acres improved with a approximate 1,800 square foot, one-story (plus basement) commercial building constructed in 1998 formerly used as an automobile oil change facility. Weaver Boos understands from Captain Michael Wheeler of the Park Forest Fire Department that Lube Renew occupied the Property from approximately 1998 to 2004. The Property is currently unoccupied.

According to our review of standard historical sources and interview with Captain Wheeler, the current building on the Property was constructed in 1998. Prior to current development, the Property contained a small commercial building used as a restaurant from approximately 1988 to 1998. Prior to the Property being used as a restaurant, it was undeveloped land.

On January 19, 2011, Weaver Boos representative Jeff Fitzgibbons visually assessed the Property for *recognized environmental conditions*, including but not limited to, the presence of *hazardous substances, hazardous wastes, petroleum products, other wastes, underground storage tanks* (USTs), aboveground storage tanks (ASTs), polychlorinated biphenyl (PCB)-containing equipment, or other potential environmental concerns.

Weaver Boos also performed a review of commercially available government records in an effort to identify potential *recognized environmental conditions* in connection with the Property. This records review addressed not only the Property, but also surrounding properties. The records review also included *reasonably ascertainable* historical data, which can be helpful in identifying the past uses of the Property and surrounding areas, as it may relate to the environmental condition of the Property.

Finally, Weaver Boos performed *interviews* with various government agencies and other parties with possible knowledge of the Property and surrounding properties in an effort to identify current and past uses of the Property and surrounding areas, as they may relate to the environmental condition of the Property.

ASTM E 1527-05 defines a *recognized environmental condition* as *the presence, or likely presence, of any hazardous substances or petroleum products under conditions that would indicate an existing release, a past release, or a material threat of a release of such substances into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not recognized environmental conditions.*

Based upon the assessments described in this *report*, this Phase I ESA has revealed no evidence of *recognized environmental conditions* in connection with the Property, except for the following:

- The potential presence of impacts associated with the Spill Incident (H2008-0749) and the current presence of approximately three feet of water that has come into contact with petroleum storage containers in the basement of the building; and
- The potential presence of impacts migrating onto the Property from the historic and current presence of USTs and four open LUST incidents on the northern adjoining property.

This Executive Summary provides a brief overview of the findings of this Phase I ESA. Although the Executive Summary is an integral part of the *report*, it does not substitute for reading the entire *report* or the appended or referenced documents to fully understand the findings and conclusions of this Phase I ESA.

PHASE I ENVIRONMENTAL SITE ASSESSMENT
381 Blackhawk Drive
Park Forest, Illinois

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Appendix D	Regulatory Records Documentation
Appendix E	Environmental Records and Interview Documentation
Appendix F	Historical Records Documentation
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1.0 INTRODUCTION

Weaver Boos Consultants North Central, LLC (Weaver Boos) completed this *Phase I Environmental Site Assessment* (ESA) of the property located at 381 Blackhawk Drive in Park Forest, Illinois (the Property) (see **Figure 1 - Site Location Map**).

Weaver Boos performed this Phase I ESA in general compliance with the scope and limitations of American Society for Testing Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E 1527-05) and the terms and conditions of Weaver Boos proposal P100295 dated November 16, 2010 incorporated herein by reference. Weaver Boos understands that this Phase I ESA was conducted for the benefit of Village of Park Forest (the *user*).

The following sections of this *report* present our Phase I ESA findings and conclusions. A glossary containing terms and definitions presented in ASTM E 1527-05 as indicated by italicized text in this *report* is included in **Appendix A – Glossary of Terms**. Other appendices presented at the end of the *report* consist of figures, interview and user-provided information, photographic documentation, regulatory records review documentation, historical records, and personnel qualifications.

1.1 Purpose

The purpose of this Phase I ESA is to identify and report, to the extent feasible, *recognized environmental conditions* with respect to the Property. ASTM E 1527-05 defines a *recognized environmental condition* as:

The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not recognized environmental conditions.

Performing a Phase I ESA in general compliance with ASTM E 1527-05 may enable a *user* to satisfy one of the requirements to qualify for the *innocent landowner, contiguous property owner, or bona fide prospective purchaser* limitations on Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) liability; that is, the practice that constitute “*all appropriate inquiry* into the previous ownership and uses of the *property* consistent with good commercial or customary practice” as defined in 42 U.S.C. Section 9601(35)(B).

1.2 Detailed Scope-of-Services

Weaver Boos performed this Phase I ESA in general compliance with ASTM E 1527-05, and the terms and conditions of Weaver Boos proposal P100295 dated November 16, 2010. The scope of services for this Phase I ESA included the following:

- A review of *standard environmental record sources* pursuant to ASTM E 1527-05 regarding environmental activities for the Property and local area properties;
- A review of reasonably ascertainable, practicably reviewable, and publicly available historical aerial photographs, fire insurance maps, property tax files, recorded land title records, building department records, topographic maps, local street directories, zoning/land use records in an effort to assess past Property conditions;
- *Interviews* with reasonably available *key site manager*, past and present Property *owners, occupants, operators*, and state and or *local government agencies* by or under the supervision of an *environmental professional*;
- A *site reconnaissance* by or under the supervision of an *environmental professional* in an effort to assess the current use of the Property and to identify potential environmental concerns including but not limited to, the presence of *hazardous substances, hazardous wastes, petroleum products*, other wastes, *underground storage tanks (USTs)*, aboveground storage tanks (ASTs), polychlorinated biphenyl (PCB)-containing equipment, or other potential environmental concerns;
- A *site reconnaissance* by or under the supervision of an *environmental professional* from reasonably accessible public thoroughfares in an effort identify the current use of the adjoining properties and potential environmental concern including, but not limited to, the presence of *hazardous substances, hazardous wastes, petroleum products*, other wastes, USTs, ASTs, PCB-containing equipment, or other potential environmental concerns; and

- Preparation of this Phase I ESA *report*.

Weaver Boos initiated this Phase I ESA pursuant to authorization received from Ms. Hildy Kingma on December 3, 2010. Weaver Boos proposal P100295 dated November 16, 2010 contains the scope of services, cost estimate, and the Terms and Conditions applicable to the performance of this Phase I ESA.

1.3 Standard of Care

Weaver Boos conducted this Phase I ESA using a defined scope of services considered appropriate and agreed upon by all parties on the date the service was authorized, unless the scope of services or the methods used were later modified, in writing, and accepted by all parties prior to performance. Weaver Boos conducted this Phase I ESA in accordance with generally accepted practices in a manner consistent with that level of care exercised by other members of our profession in the same locality and under similar conditions of time and accessibility of improvements and information. No other representations, expressed or implied, and no warranty or guarantee is included or intended to be part of this Phase I ESA.

The scope of services performed in execution of this assessment may not be appropriate to satisfy the needs of other parties. We, therefore, are not responsible for independent conclusions, opinions, or recommendations of others based on our assessment. Furthermore, this Phase I ESA relates to the environmental conditions of the Property and does not address issues raised in transactions such as business risk, purchase of business entities, or interests therein, or of their assets, that may well involve environmental liabilities pertaining to properties previously owned or operated or other off-site liabilities.

Additionally, the findings of this Phase I ESA are based on Weaver Boos' observations, inquiries, and historical research using *reasonably ascertainable* and *practically reviewable* information obtained within *reasonable time and cost* constraints. Weaver Boos does not represent that this Phase I ESA is an exhaustive assessment that reflects the findings of all of the information available for the Property, nor is it representative of any future Property conditions. If additional information concerning the Property is discovered, it should be provided to us so that we may evaluate its impact on our conclusions. As such, any activities or episodes that transpire subsequent to this Phase I ESA are not considered in this assessment. A Phase I ESA performed in general compliance with ASTM E 1527-05 is not intended to be an exhaustive assessment of a *property* nor can it wholly eliminate uncertainty regarding the potential for *recognized environmental conditions* in connection with a *property*.

1.4 Significant Assumptions

This Phase I ESA is based in part on information obtained from visual observations of the Property and vicinity, commercial data sources, and interviews with government agency representatives, representatives of the *owners* of the Property and *occupants* of the Property. Weaver Boos assumes this information to be accurate, complete, and representative of Property conditions unless some fact or circumstance made known to Weaver Boos through the course of this assessment reasonably suggests otherwise.

1.5 Limitations and Exceptions

ASTM E 1527-05 requires that the *environmental professional* shall document, in the *report*, general limitations and basis of review, including limitations imposed by physical obstructions such as adjacent buildings, bodies of water, asphalt, or other paved areas, and limiting conditions. Weaver Boos identified no limitations in performing this assessment other than the following:

- Due to the presence of snow cover, Weaver Boos was unable to fully assess the entire exterior surface of the Property.

1.6 Special Terms and Conditions

There were no special terms and conditions associated with performing this assessment beyond those in Weaver Boos proposal P100295 dated November 16, 2010.

1.7 User Reliance

This *report* is confidential and has been prepared for the exclusive use by Village of Park Forest. No additional parties may use the information contained in this *report* without obtaining the written permission of Weaver Boos and Village of Park Forest. Weaver Boos' duties and obligations extend to Village of Park Forest and to no other party. Weaver Boos' duties and obligations to Village of Park Forest are not transferable to any person, corporation, or organization without the express written consent of Village of Park Forest and Weaver Boos.

This Phase I ESA *report* must be read and interpreted as a whole and can only be considered representative of the conditions of the Property as of the date of our *site reconnaissance* described herein. Weaver Boos makes no representation whatsoever concerning the condition of the Property beyond the date of our *site reconnaissance* described herein. Individual sections and appendices of this *report* are dependent on the balance of this *report*, and on the terms,

conditions, and stipulations contained in the proposal and any written amendments accepted by Weaver Boos.

2.0 SITE DESCRIPTION

2.1 Location and Legal Description

The Property is located at 381 Blackhawk Drive in Park Forest, Illinois. The Property generally lies north of Miami Street, east of Central Park Avenue, south of Sauk Trail and west of Blackhawk drive (see **Figure 2 – Site Layout Map**). The Property consists of approximately 0.70 acres with approximately 135 feet of frontage along Blackhawk Drive.

The Property is described as various lots within the northern half of Section 35, Township 35 North, Range 13 East of the Third Principal Meridian in Cook County, Illinois (see **Figure 1 - Site Location Map**). A copy of the plat of survey for the Property along with the Property legal description and Parcel Index Numbers (PIN) are included in **Appendix B – User-Provided Information**.

2.2 Site and Vicinity General Characteristics

The Property consists of two parcels with dimensions of 145' by 210' and an approximate area of 0.70 acres. The surrounding area generally consists of residential and commercial property uses. A Speedway fueling station is located to the adjoining north of the Property. A Marathon fueling station is located northeast of the Property across Blackhawk Drive. Small restaurants and convenience stores are located to the west and northwest of the Property. Residential dwellings are located south of the Property.

A review of the 1998 Steger, Illinois, 7.5-minute quadrangle topographic map published by the United States Geological Survey (USGS) suggests that the Property is at an elevation of approximately 727 feet above mean sea level (msl).

2.3 Current Use of the Property

The Property is currently vacant. The Property was previously occupied by Lube Renew from 1988 to approximately 2006 according to Captain Michael Wheeler of the Park Forest Fire Department. Lube Renew operated the Property as an automobile oil change facility.

2.4 Description of Structures, Roads, and Other Site Improvements

The Property is improved with an approximately 1,800 square foot, one-story (plus basement) commercial building constructed in 1998 formerly used as an automobile oil change facility. The building is located approximately in the center of the Property with asphalt paved parking

and driving surfaces located around the perimeter of the Property. Decorative landscaping consisting of small trees and shrubs is located on the eastern portion of the Property.

The building is not currently connected to a heating source. The historic heating source was natural gas when the Property and building was occupied. The building is not currently connected to a cooling source. As the Property is vacant and has been unoccupied since approximately 2004, the Property is not currently served by utility services. Weaver Boos observed that storm water from the building roof is directed to a drainage swale west of the Property. In addition, storm water from the paved and grassy areas also appear to be directed to a drainage swale west of the building.

Weaver Boos photographed selected operations and improvements located on the Property to support this written *report*. Those photographs are included in **Appendix C - Photographic Documentation**.

2.5 Current Uses of the Adjoining Properties

The following is a listing of the current adjoining properties including the applicable property name, address, operation, and direction from the Property.

CURRENT ADJOINING PROPERTIES			
Property Name/Occupant	Address	Operation/Use	Direction from the Property
Single-Family Residence	377 Blackhawk Drive Park Forest, Illinois	Residential	South
Speedway Gas Station	401 Sauk Trail Park Forest, Illinois	Fueling Station	North
Marathon Gas Station	385 Sauk Trail Park Forest, Illinois	Fueling Station	East across Blackhawk Drive
Subway Restaurants	22301 Central Park Avenue Park Forest, Illinois	Restaurant	West

Weaver Boos photographed selected sites, operations, and improvements located at or near the Property to support this written *report*. Those photographs are included in **Appendix C - Photographic Documentation**.

3.0 USER-PROVIDED INFORMATION

ASTM E 1527-05 provides that certain Phase I ESA tasks are to be performed by the *user*. The purpose of this section is to present select *user*-provided information that can assist in identifying possible *recognized environmental conditions* in connection with the Property. According to ASTM E 1527-05, these tasks do not require the technical expertise of an *environmental professional* and are generally not performed by *environmental professionals* performing a Phase I ESA. We provided the *user* with a questionnaire at the beginning of this Phase I ESA to assist them with these tasks. A copy of the User-Provided Information Questionnaire is included in **Appendix B – User-Provided Information**. The following sections describe our review of the responses that we received.

3.1 Title Records

The *user* did not provide Weaver Boos with a response concerning recorded title records for the Property nor did the *user* authorize Weaver Boos to perform a recorded title records review, which was included as an optional scope of service in our proposal.

3.2 Environmental Liens or Activity and Use Limitations

The *user* informed Weaver Boos that it is aware of no *environmental liens* or *activity and use limitations* with respect to the Property.

3.3 Specialized Knowledge

The *user* provided Weaver Boos with specialized knowledge with respect to the Property. The *user* informed Weaver Boos that the Property formerly operated as a lube shop

3.4 Commonly Known or Reasonably Ascertainable Information

The *user* provided Weaver Boos with commonly known or *reasonably ascertainable* information with respect to the Property that included the former use of the Property as a lube shop. In addition, the *user* informed Weaver Boos that the building was cleaned in July 2008 after water was observed in the basement of the building.

3.5 Valuation Reduction for Environmental Issues

The *user* informed Weaver Boos that to their knowledge, the value of the Property has not been reduced due to environmental issues. A copy of an appraisal report dated February 20, 2006 is located in **Appendix B – User-Provided Information**.

3.6 Owner, Property Manager, and Occupant Information

The *user* informed Weaver Boos that the Property *owner* is First Midwest Bank, and the Property is currently vacant.

3.7 Reason for Performing Phase I ESA

The *user* did not provide Weaver Boos with a response concerning the reason for performing the Phase I ESA.

3.8 Obvious Indicators of the Presence or Likely Presence of Contamination of the Property

The *user* did not provide Weaver Boos with a response concerning knowledge of obvious indicators of the presence or likely presence of contamination of the Property.

3.9 Other Information Relevant to the Property

The *user* stated to Weaver Boos that it is aware of no other information relevant to the Property.

4.0 RECORDS REVIEW

4.1 Standard Environmental Record Sources

According to ASTM E 1527-05, the purpose of reviewing regulatory records is to obtain and review records that will help identify *recognized environmental conditions* in connection with the Property. In addition, some records to be reviewed pertain not only to the Property, but also to properties within an additional ‘*approximate minimum search distance*’ in order to help assess the likelihood of problems from migrating *hazardous substances* or *petroleum products*. When the term ‘*approximate minimum search distance*’ includes areas outside the Property, it shall be measured from the nearest Property boundary. The term ‘*approximate minimum search distance*’ is used in lieu of the term ‘radius’ in order to include irregularly-shaped properties.

Weaver Boos retained Historical Information Gatherers, Inc. (HIG) of Hopkins, Minnesota to provide an ASTM Radius Map Report (HIG Report) for this Property. The HIG Report is a computerized search of select state and federal environmental databases that identify various properties with a record of environmental activity. Weaver Boos reviewed the HIG Report and summarized the relevant findings in the following sections. A copy of the compiled HIG Report has been included as **Appendix D - Regulatory Documentation**.

4.1.1 Summary of Database Findings

According to the HIG Report, the Property is listed on the Facility Registry System under the name of Lube Renew and with a Registry ID 110018143338 in the Spills Listing. In the Spills Listing database, the Incident Number listed is H-2008-0749. The incident appears to have been a spill of an unknown liquid. The spill was discovered on January 4, 2008 and currently has a status of “Closed.” No additional information is available in the database listing. Weaver Boos has identified this spill incident as a *recognized environmental condition*.

The EDR Report identifies various adjoining and surrounding properties on certain government databases.

- EMRO Marketing (also listed as Speedway SuperAmerica, LLC) located at 401 Sauk Trail (northern adjoining property) is listed in the LUST Incident Tracking Database. Four LUST incidents have been identified at this site: 892538 reported on December 6, 1989 for gasoline, 903025 reported on October 16, 1990 for gasoline, 910525 reported on February 28 for unleaded gasoline, and 952436 reported on December 1, 1995 for gasoline. NFR letters have not been reported for these LUST incidents. Speedway is

also listed in the UST database. A summary of the USTs currently registered to this Site are shown in the following table.

Size	Product	Status
1,000-gallon	Gasoline	Removed, September 15, 1992
1,000-gallon	Gasoline	Removed, September 15, 1992
1,000-gallon	Gasoline	Removed, September 15, 1992
6,000-gallon	Gasoline	Removed, September 15, 1992
6,000-gallon	Diesel	Removed, September 15, 1992
1,000-gallon	Gasoline	In Use
1,000-gallon	Gasoline	In Use
1,000-gallon	Gasoline	In Use
550-gallon	Unknown	Exempt from Registration

- The Park Forest Marathon self service gas station is located at 385 Sauk Trail (approximately 90 feet northeast of the Property) is listed in the Facility Registry System, UST Database and LUST Database. One LUST incident is identified at this site, incident 950011 reported on January 3, 1995 for unleaded gasoline. An NFR Letter has not been issued for this incident. According to the UST database, there are three 10,000-gallon gasoline USTs located on the property. Two USTs are listed as currently in use. One 10,000-gallon gasoline UST is listed as abandoned in place on March 31, 2006. This facility is also listed on the RCRA-Gen Database with EPA Number ILD984822932 as a small quantity generator of ignitable waste. No violations are reported with this listing.
- O'Brien's Service Station (also listed as Richton Park Citgo), located at 3600 Sauk Trail, (approximately 395 feet to the northeast of the Property) is listed in the LUST Incident Tracking Database and RCRA-Gen Database. This facility is listed with two LUST incidents: 860307B reported on March 7, 1986 and 910356 reported on February 12, 1991 for gasoline. NFR letters have not been issued for either of these LUST incidents.

The site is also listed on the UST Database. According to the database, there are two 4,000-gallon gasoline USTs listed as exempt from registration. One 6,000-gallon gasoline UST is listed as exempt from registration. In addition, there is one out of service 4,000-gallon diesel fuel UST, one out of service 550-gallon used oil UST, and two out of service 8,000-gallon gasoline USTs. This facility is considered a small quantity generator of Ignitable Waste, with no listed violations.

The EDR Report identifies various surrounding properties on certain government databases. Of those identified properties, Weaver Boos believes that the northern adjoining Speedway Gas Station, including four open LUST incidents, is a *recognized environmental condition*. See **Section 8.0** for additional discussion.

4.2 Additional Environmental Record Sources

Weaver Boos obtained and reviewed published, *reasonably ascertainable* information concerning the Property. Weaver Boos obtained that information from the following sources:

- Records on file at the Park Forest Building Department;
- Records on file at the Park Forest Fire Department;
- Records on file at the Cook County Health Department;
- Records on file at the Office of the Illinois State Fire Marshal (OSFM);
- Records on file at the Illinois Environmental Protection Agency (IEPA); and
- Records on file at the United States Environmental Protection Agency (USEPA).
- The following sections summarize our review of those records.

4.2.1 Cook County Assessor's Office Records Review

Weaver Boos reviewed the current online Cook County Assessor's records as part of this Phase I ESA. According to the current online Cook County Assessor's records, the Property is identified with Parcel Index Number: 31-35-202-014-0000. The Assessor's records also indicate the building on the Property is approximately 10 years old. Copies of the current online Cook County Assessor's records for the Property are included in **Appendix E – Environmental Records and Interview Documentation**.

4.2.2 Village of Park Forest Building Department Records Review

Weaver Boos submitted a FOIA request to Village of Park Forest Building Department on January 18, 2011 regarding information for the Property. According to a response from the Park

Forest Building Department dated January 27, 2010, the Fire Department responded to a fire alarm at the Property on January 4, 2008. According to a January 10, 2008 letter to Mr. Duane Carder from the Fire Department of Peotone Bank and Trust, approximately 3 to 4 inches of water was observed in the basement contaminated with oil. A follow up letter on July 23, 2008 to Mr. Carder from the Park Forest Fire Department indicated that approximately three feet of oil-contaminated water filled the basement. In addition, the July 23, 2008 letter indicated a 250-gallon oil container had overturned, spilling its contents. Additional containers of chemicals and fuels were also observed in the basement. Weaver Boos believes the conditions identified in the Park Forest Building Department files are consistent with the definition of a *recognized environmental condition* and is discussed further in **Section 8.0**. Copies of the Park Forest Building Department files are included in **Appendix E – Environmental Records and Interview Documentation**.

4.2.3 Park Forest Fire Department Records Review

Weaver Boos contacted the Park Forest Fire Department on January 19, 2011 regarding records of hazardous material incidents, USTs or other potential environmental concerns on the Property. The Park Forest Fire Department provided similar documentation as the Park Forest Building Department. Weaver Boos believes the conditions identified in the Park Forest Fire Department files are consistent with the definition of a *recognized environmental condition* and is discussed further in **Section 8.0**. Copies of the Park Forest Fire Department files are included in **Appendix E – Environmental Records and Interview Documentation**.

4.2.4 Cook County Health Department Records Review

Weaver Boos has not received the FOIA response from the Cook County Health as of the date of this *report*. Weaver Boos will forward any information of interest to Village of Park Forest after it becomes available for review, if it significantly impacts our conclusions presented herein.

4.2.5 Office of the Illinois State Fire Marshal Records Review

On January 19, 2011, Weaver Boos reviewed the current online OSFM UST database regarding records of USTs on the Property. According to the current online OSFM UST database, no records were available for the Property address.

4.2.6 Illinois Environmental Protection Agency Records Review

Weaver Boos submitted multiple FOIA requests to the IEPA on January 18, 2011 for records associated with the Property. Specifically, Weaver Boos submitted FOIA requests to the IEPA Bureaus of Land, Water, and Air and the Office of Emergency Response. The following sections

summarize the response from each. Copies of the IEPA FOIA requests and responses are included in **Appendix E – Environmental Records and Interview Documentation**.

4.2.6.1 IEPA Bureau of Land

Weaver Boos has not received the FOIA response from the IEPA Bureau of Land as of the date of this *report*. Weaver Boos will forward any information of interest to Village of Park Forest after it becomes available for review, if it significantly impacts our conclusions presented herein.

4.2.6.2 IEPA Bureau of Water

According to an IEPA Bureau of Air FOIA response dated January 21, 2011, no records of the requested information are on file for the Property.

4.2.6.3 IEPA Bureau of Air

According to an IEPA Bureau of Water FOIA response dated January 21, 2011, no records of the requested information are on file for the Property.

4.2.6.4 IEPA Office of Emergency Response

Weaver Boos has not received the FOIA response from the IEPA Office of Emergency Response as of the date of this *report*. Weaver Boos will forward any information of interest to Village of Park Forest after it becomes available for review, if it significantly impacts our conclusions presented herein.

4.2.7 *United States Environmental Protection Agency Records Review*

Weaver Boos submitted a FOIA request to the USEPA on January 18, 2011 for records associated with the Property. According to a USEPA response dated January 25, 2011, the USEPA indicated that our FOIA request was received and that they have 20 working days to respond to our request. As of the date of this *report*, Weaver Boos has not received the FOIA response from the USEPA. Weaver Boos will forward any information of interest to Village of Park Forest after it becomes available for review, if it significantly impacts our conclusions presented herein. Copies of the USEPA FOIA request and response are included in **Appendix E – Environmental Records and Interview Documentation**.

4.3 **Physical Setting Sources**

Weaver Boos obtained and reviewed published, *reasonably ascertainable* information concerning the physical setting of the Property. Weaver Boos obtained that information from the following sources:

- A topographic map prepared by USGS.
- Maps and publications prepared by the Illinois State Geological Survey (ISGS).
- Google Earth 6
- The following is a summary of our review of those *physical setting sources*.

4.3.1 Topography

The purpose of the topographic map review is to evaluate the presence of physical structures and/or unique topographic conditions that would be of potential importance in the event of a release or migration of a hazardous material to or from the Property. Weaver Boos reviewed the USGS 1998 Steger, Illinois, 7.5-minute quadrangle topographic map showing the area in which the Property is located (see **Figure 1**). The USGS map shows that the Property is at an elevation of approximately 727 feet above msl and slopes to the east.

Our review of the above-referenced map revealed no indications of obviously apparent conditions that would pose a potential environmental concern to the Property.

In addition, the groundwater flow direction would be dependent on the geologic unit in which it occurs; however, surface topography can be used to approximate the probable regional trend of the shallow groundwater flow direction. Topography at the Property generally slopes towards the south and southwest. Shallow groundwater flow typically follows surface topography and flows toward the nearest body of water. Based on observations at the time of the *site visit*, as well as current and historical USGS 7.5-minute quadrangle maps provided by HIG of Hopkins, MN (**Section 4.4.1.3**), groundwater flow beneath the Property may potentially be to the east toward Thorn Creek located approximately 1.55 miles southeast of the Property.

4.3.2 Regional Subsurface Geology

Based on Weaver Boos' review of certain ISGS documents (Berg et al. 1988 and Berg et al. 1984), the Property is underlain by unconsolidated clayey and silty tills¹ of the Wedron Formation (since reclassified as the Wedron Group (Hansel and Johnson 1996), overlying Silurian age carbonate bedrock. The Wedron Formation is described as uniform, relatively impermeable, clayey till that is estimated to be greater than 20 feet thick. These sediments overlie Silurian Age dolomitic bedrock. The bedrock stratigraphy in the vicinity of the Property

¹ "Till" means those unconsolidated materials deposited directly from a glacier without reworking by water (e.g., rivers or streams).

is composed of a thick sequence of Paleozoic sedimentary rocks that generally consist of carbonate rocks of Silurian age near the ground surface. Published information suggests bedrock is encountered at depths greater than 50 feet of the surface in the vicinity of the Property.

The regional near-surface hydrostratigraphic units can be generalized into two general aquifers: a shallow aquifer zone in more permeable soil (not always present) that may be present in the glacial drift, and deep aquifer in the underlying bedrock aquifers.

The ISGS documents also indicate that the potential for groundwater contamination is low and is classified as "E" due to the presence of greater than 50 feet of clayey till soil.

4.4 Historical Use Information

The objective in consulting historical sources is to develop a history of the previous uses or occupancies of the Property and surrounding area in an effort to identify those uses or occupancies that are likely to have resulted in the presence of a *recognized environmental condition* in connection with the Property.

According to ASTM E 1527-05, identifying prior uses of the Property is a two-tiered process. The first step is to evaluate uses of the Property from the present back to the year 1940 using *standard historical sources*. The second step involves assessing the uses of the Property prior to the year 1940, or until a time when the Property was not yet developed, again using *standard historical sources*. Weaver Boos requested and reviewed the following *standard historical sources*:

- Historical aerial photographs;
- Historical USGS 7.5-minute quadrangle maps;
- Local Street Directories;
- Building Department Records;
- Zoning and Land Use Records; and
- Other Historical Records.

Our review of *standard historical sources* obtained during this Phase I ESA is presented in the following sections. Copies of the historical records that we obtained are included in **Appendix F - Historical Records Documentation**.

4.4.1 Historical Use Information on the Property

In summary, our review of the historical records described in the following sections suggests that in approximately 1984 the Property was vacant. In approximately 1988 the Property was improved with a small commercial single story building identified as Dari Licious Restaurant. The Property was then occupied by JRS Hotdogs from 1994 to approximately 2004. In 2004, the Property was converted to an oil change shop identified as Lube Renew. Mr. Duane Carder, a representative of the current *owner* of the Property, First Midwest Bank, also informed Weaver Boos that the Property was historically used as a lube shop.

4.4.1.1 Historical Aerial Photographs

Weaver Boos reviewed historical *aerial photographs* provided by HIG. The following table summarizes the findings of our review of those photographs with respect to the Property and adjoining properties:

AERIAL PHOTOGRAPHS		
Date	Source	Observations
1935	HIG	The Property and adjoining properties appear to be row crop farmland. Sauk Trail is present to the north of the Property.
1952	HIG	The image quality is poor and details are hard to identify, however the Property appears to be undeveloped with vegetation present and a pond on the western portion. The northern and southern adjoining properties appear to be undeveloped with vegetation present. Blackhawk Drive and the eastern adjoining property appear to be under construction. A small pond appears to be present on the western adjoining property.
1955	HIG	The Property and adjoining properties remains unchanged from the previous photograph, except construction of Blackhawk Drive is completed.
1961	HIG	The Property remains unchanged, while the northern adjoining property is developed with a commercial building and a parking lot. The eastern adjoining property is improved with a parking lot. The southern and western adjoining properties appear to be undeveloped with vegetation present.
1967	HIG	The Property and adjoining properties appear unchanged from the previous photograph.
1970	HIG	The Property and adjoining properties appear unchanged from the 1961 photograph.

AERIAL PHOTOGRAPHS		
Date	Source	Observations
1974	HIG	The Property and adjoining properties appear unchanged from the 1961 photograph.
1978	HIG	The Property and adjoining properties appear unchanged from the 1961 photograph.
1984	HIG	The Property and southern adjoining property appear vacant and unimproved. The eastern adjoining property remains unchanged, while the western adjoining property contains a large commercial building and parking lot.
1988	HIG	The northern half of the Property appears to be developed with a small building. The southern, western, and northern adjoining properties appear unchanged from the previous aerial photograph. There is now an "L" shaped commercial building on the eastern adjoining property.
1993	HIG	The southern half of the Property appears to be developed with a parking lot. Adjoining properties appear unchanged from the previous photograph.
1999	HIG	The Property and northern, eastern, and western adjoining properties appear unchanged. The southern adjoining property is developed with an apparent residential dwelling.
2005	HIG	The Property appears to be in a similar configuration as the current development. Adjoining properties appear unchanged from the previous photograph.
2009	HIG	The Property and adjoining properties appear unchanged from the previous aerial photograph.

Our review of the *aerial photographs* revealed no indications of any obviously apparent conditions that would pose a potential environmental concern to the Property. Copies of the *aerial photographs* reviewed are included in **Appendix F - Historical Records Documentation**.

4.4.1.2 Fire Insurance Maps

Weaver Boos requested Sanborn™ *fire insurance maps* for the Property from HIG. According to HIG, no Sanborn™ *fire insurance maps* coverage in its collection was available for the Property. A copy of HIG's response is included in **Appendix F - Historical Records Documentation**.

Weaver Boos consulted the Union List of Sanborn & Other Fire Insurance Maps online website (<http://www.lib.berkeley.edu/EART/sanbul.html>) on January 18, 2011. According to the Union List, no maps are available on microfilm for the Property area. However, several sources are

listed in HIG's fire insurance map report as included in **Appendix F – Historical Documentation**. Based on the constraints of this Phase I ESA, Weaver Boos does not believe that the microfilm maps are *practically reviewable* in connection with this Phase I ESA. Furthermore, based on the location of the maps relative to the Property, Weaver Boos believes that the information that may be available on the maps would not be material in identifying *recognized environmental conditions* in connection with the Property.

4.4.1.3 Historical USGS Topographic Maps

Weaver Boos reviewed historical USGS topographic maps provided by EDR. The following table summarizes the findings of our review with respect to the Property and adjoining properties:

HISTORICAL TOPOGRAPHIC MAPS		
Map Name and Size	Date	Observations
Crete, Illinois 1:62,500	1949	Due to the scale of the topographic maps, site details are difficult to identify. The Property appears to be undeveloped.
Steger, Illinois 1:24,000	1930	The Property and adjoining properties appear undeveloped.
Steger, Illinois 1:24,000	1953	The Property is located on urban land and therefore site details are not identifiable, however it appears the Property may partially be located in a wetland area based on the symbol and writing on the topographic map.
Steger, Illinois 1:24,000	1973	The Property and adjoining properties appear unchanged from the previous topographic map. The surrounding area appears to be dense development.
Steger, Illinois 1:24,000	1998	The Property and adjoining properties appear unchanged from 1953 topographic map. The surrounding area appears to be consistent with current development and the wetland is no longer present.

Our review of the historical USGS topographic maps of the Property provided by HIG revealed no indications of any apparent conditions that would pose a potential environmental concern to the Property. Copies of the historical USGS topographic maps reviewed are included in **Appendix F - Historical Records Documentation**.

4.4.1.4 Local Street Directory

Weaver Boos reviewed the *local street directories* report provided by HIG. The following table summarizes the findings of our review with respect to the Property and adjoining properties:

LOCAL STREET DIRECTORIES	
Date	Observations
1969	The northern adjoining property is listed as Lake's Marathon Service Station (401 Sauk Trail).
1974	The northern adjoining property is listed as Lake's Marathon Service Station (401 Sauk Trail).
1979	The northern adjoining property is listed as Uni Tek Electronics (401 Sauk Trail).
1989	<p>The Property is listed under Dari Licious. The following adjoining properties are listed:</p> <ul style="list-style-type: none"> • South adjoining: Robert Cure (377 Blackhawk Dr.) • North adjoining: Checker Oil Co. (401 Sauk Trail) • Western adjoining: Subway Restaurant (22301 Central Park Ave)
1994	<p>The Property is listed under JRS Hot Dogs. The Following adjoining properties are listed:</p> <ul style="list-style-type: none"> • South adjoining: James M. Wilson (377 Blackhawk Dr.) • North adjoining: EMRO Marketing Co. (401 Sauk Trail) • Western adjoining: Subway Restaurant (22301 Central Park Ave)
1999	The western adjoining property is listed as Subway Restaurant (22301 Central Park Ave.)
2004	<p>The Property is listed under Lube Renew. The following adjoining properties are listed:</p> <ul style="list-style-type: none"> • South adjoining: K. Fortenberry (377 Blackhawk Dr.) • North adjoining: EMRO Marketing Co. Gas & Convenience (401 Sauk Trail) • Western adjoining: Subway Restaurant (22301 Central Park Ave.)

Our review of the HIG *local street directories* report revealed no indications of any apparent conditions that would pose a potential environmental concern to the Property.

A copy of the *local street directories* is included in **Appendix F - Historical Records Documentation**.

4.4.2 Historical Environmental Reports

The *user* provided Weaver Boos with the following historical environmental reports for review as part of this Phase I ESA.

- Contaminated Water Removal and Industrial Cleaning Services at Lube Renew in Park Forest, Illinois dated July 25, 2008 and prepared by RS Used Oil Services.

Copies of those reports are included in **Appendix F - Historical Records Documentation**. The following describes the findings of our review of those reports. The report indicates that RS Used Oil Services removed contaminated waters from the basement area of the Property. They also removed products remaining in tanks on the Property. In addition, they removed contamination from surfaces within the areas of concern and oil debris and cleaning equipment has been containerized and disposed of appropriately. Weaver Boos has identified this cleanup action as part of our findings in **Section 7.0**.

4.4.3 Historical Use Information on Adjoining Properties

Based upon our review of the aforementioned historical records, the northern adjoining property appears to have been undeveloped until 1952, with a commercial building constructed between 1955 and 1961. According to the *local street directory*, EMRO Marketing Co. has occupied the building with a Speedway service station from at least 1994 to present. The western adjoining property appears to have been undeveloped until 1984, with the improvement of an “L” shaped commercial building between 1984 and 1988. According to the *local street directory*, Subway Restaurants has occupied the building since at least 1989. The eastern adjoining property appears to have been undeveloped until 1952, with a parking lot constructed between 1955 and 1961. The southern adjoining property appears to have been undeveloped until 1993, with a residential structure constructed between 1993 and 1999. The historic and current presence of USTs and four open LUST incidents on the northern adjoining property is being identified as a *recognized environmental condition*.

5.0 SITE RECONNAISSANCE

Weaver Boos representative Mr. Jeff Fitzgibbons conducted the *site reconnaissance* on January 19, 2011. Mr. Jeff Fitzgibbons was accompanied by Ms. Sandra Zoellner, Assistant Director, Economic Development & Planning for the Village of Park Forest and Captain Michael Wheeler of the Village of Park Forest Fire Department. During the *site reconnaissance*, weather conditions were partly cloudy, no precipitation, with light winds from the northwest, and a temperature of approximately 25°F degrees Fahrenheit. The following sections summarize our observations during the *site reconnaissance*.

5.1 Methodology and Limiting Conditions

Weaver Boos' *site reconnaissance* methods included a *site visit* to *visually and/or physically observe* reasonably accessible locations of the Property in an effort to obtain information indicating the likelihood of identifying *recognized environmental conditions* in connection with the Property. Mr. Jeff Fitzgibbons traversed the exterior of the Property and the interior spaces of the building by foot to observe conditions during the *site reconnaissance*. Photographs taken to document conditions encountered at the time of the *site reconnaissance* are presented in **Appendix C – Photographic Documentation**. Weaver Boos also *visually and/or physically observed* adjoining properties from reasonably accessible locations on the Property and public thoroughfares. Limiting conditions encountered at the Property during the *site reconnaissance* are included in **Section 1.5**.

5.2 General Site Setting and Observations

Please refer to **Section 2.0** of this *report* for a description of the general site setting, adjoining public thoroughfares, utilities, and potable water supply and **Section 4.3** for a description of topographic and geologic/hydrogeologic conditions with respect to the Property.

During our *site visit*, Weaver Boos noted that the Property is currently unoccupied. Weaver Boos observed a sign on the front of the building that said, "Lube Renew: 10-Minute Quick Lube" suggesting that the historical uses may have included an automobile oil change facility. Please refer to **Section 2.5** for a summary *adjoining properties* occupants and uses identified during our *site reconnaissance*. The following sections summarize Weaver Boos' *site reconnaissance* observations.

5.3 Interior and Exterior Observations

5.3.1 Hazardous Substances and Petroleum Products in Connection with Identified Uses

Weaver Boos observed an approximate 500-gallon aboveground tank in the basement of the building with a label that read, "Mobile Motor Oil." Water in the basement of the building at the time of the *site reconnaissance* (see **Section 5.3.4**) prevented Weaver Boos from assessing if this tank currently contained petroleum product. Weaver Boos observed an approximate 300-gallon container with a label that indicated it stored used antifreeze (see **Section 5.3.2.2**); however that container appeared to be empty at the time of the *site reconnaissance*.

5.3.2 Storage Tanks

5.3.2.1 Underground Storage Tanks (USTs)

Weaver Boos observed no apparent surficial indications of USTs (e.g., fill pipes, vent lines, or manways) on the Property during the *site visit*. Also, according to interview remarks by Captain Michael Wheeler of the Park Forest Fire Department, to the best of his knowledge, no USTs are currently or were formerly located on the Property.

5.3.2.2 Aboveground Storage Tanks (ASTs)

Weaver Boos noted one approximately 500-gallon motor oil AST and an approximately 300-gallon used antifreeze AST at the Property. Weaver Boos was unable to determine if the motor oil AST contained unused or used oil. Weaver Boos observed that the antifreeze AST appear to be in good condition. The motor oil AST appeared to be partially submerged in approximately three feet of water in the basement area of the building. According to interview remarks by Captain Michael Wheeler of the Park Forest Fire Department release from the motor oil AST has occurred in the past. Weaver Boos has identified the presence of a motor oil AST and release from that AST as a finding (see **Section 7.0**).

5.3.3 Odors

No apparent unusual odors were noted on the Property during the *site visit*.

5.3.4 Pools of Liquid

Weaver Boos observed a pool of liquid in the basement of the building on the Property during the *site visit*. This pool of liquid is the aforementioned water observed in the basement. The presence of approximately three feet of water that has come into contact with petroleum storage containers in the basement of the building is considered a *recognized environmental condition*.

5.3.5 Pits, Ponds, and Lagoons

No obviously apparent pits, ponds and lagoons were observed on the Property or *adjoining properties* during the *site reconnaissance*. Also, according to interview remarks by Captain Michael Wheeler of the Park Forest Fire Department, to the best of his knowledge, no pits, ponds, and lagoons exist on the Property or the *adjoining properties*.

5.3.6 Drums

Weaver Boos observed four approximately 15-gallon drums in the northern portion of the building during the *site visit*. One of the drums was labeled “Valvoline High Performance Gear Lube”. The other three drums were either unlabeled or had unreadable labels.

5.3.7 Hazardous Substance or Petroleum Product Containers

Weaver Boos observed no apparent *hazardous substance* or *petroleum product* containers during the *site visit* other than those described in **Section 5.3**.

5.3.8 Unidentified Substances Containers

No apparent unidentified substance containers were observed on the Property during the *site visit*.

5.3.9 Polychlorinated Biphenyls (PCBs)

Although a detailed review of all suspected PCB-containing equipment is beyond the scope of this Phase I ESA, Weaver Boos conducted a limited evaluation of the Property in an effort to identify the presence and condition of electrical or hydraulic equipment that is known to or is likely to contain PCBs in insulating or lubricating materials which may be an environmental concern. PCB-containing equipment and any of its leaked material that may have impacted the Property could be subject to certain regulatory requirements, such as the Federal Toxic Substances Control Act (TSCA), in addition to being identified as a potential *recognized environmental condition* for the Property.

Weaver Boos identified the following potentially PCB-containing equipment based on visually observed equipment, records that were reasonably accessible, and information obtained from the *key site manager*:

- One electrical transformer is located on the Property along the west side of the building. The transformer appeared to be in good poor condition with no visible leaks or irregularities. The area under and around the electrical transformer exhibited no visible staining or abnormal appearance.

- Facility operations on the Property originated after 1979. This is generally the date when the production and sale of PCBs was banned. Therefore, the aforementioned equipment likely does not contain PCBs. However, Weaver Boos has no specific information regarding the age of that equipment or whether it does or does not contain PCBs. Further evaluation to confirm the absence or presence of PCBs would likely require analysis of samples from the equipment.

5.3.10 Stains or Corrosion

No apparent stains or corrosion was observed on the Property during the *site reconnaissance*.

5.3.11 Drains and Sumps

Weaver Boos observed an apparent triple basin oil/water separator near the main entrance to the building. In addition, Captain Michael Wheeler of the Park Forest Fire Department informed Weaver Boos that there is a sump pump on the Property and has failed in the past, resulting in the basement flooding with water.

5.3.12 Stained Soil or Pavement

No apparent stained soil or pavement was observed on the Property during the *site visit*. Also, according to interview remarks by Captain Michael Wheeler of the Park Forest Fire Department, to the best of his, no stained soil, or pavement exist on the Property.

5.3.13 Stressed Vegetation

No apparent stressed vegetation was observed on the Property during the *site visit*.

5.3.14 Solid Waste

No apparent surficial or buried material such as trash, *construction debris*, *demolition debris*, or other solid waste was observed on the Property during the *site visit*. Also, according to interview remarks by Captain Michael Wheeler, to the best of his knowledge, no such buried material exists on the Property.

5.3.15 Waste Water, Wells, Septic Systems

Section 2.4 describes potable and *wastewater* services provided to the Property and our observations concerning storm water. No apparent wells or septic systems were observed on the Property during the *site visit*.

6.0 INTERVIEWS

Weaver Boos representative Mr. Jeff Fitzgibbons conducted *interviews* of select individuals possessing knowledge of the current and past Property uses in an effort to obtain information concerning the potential presence of *recognized environmental conditions*. Such individuals consist of persons or local agency officials that may have records or knowledge of events or conditions that are not evident during the *site reconnaissance* or records review.

6.1 Interview with Owner

Weaver Boos interviewed Mr. Duane Carder of First Midwest Bank, identified by the *user* as the *owner* of the Property, concerning the current and past use of the Property, the facility operations, and recent improvements to the Property. Mr. Carder has been associated with the Property since approximately 1998. Weaver Boos obtained Mr. Carder's interview responses during our *site visit*. The interview responses are included throughout the *report*. Furthermore, Mr. Carder completed the Environmental Site Assessment Questionnaire included in **Appendix E – Environmental Records and Interview Documentation**.

6.2 Interview with Key Site Manager

The Property is currently vacant and has been unoccupied since approximately 2004. Therefore, Weaver Boos was not able to contact or interview a *key site manager* for the Property.

6.3 Interviews with Occupants

As discussed in the previous section, the Property is currently vacant and has been unoccupied since approximately 2004. Therefore, Weaver Boos was not able to contact or interview an *occupant* of the Property.

6.4 Interviews with Past Owner, Operators, and Occupants

Based on information obtained from other sources as summarized in this *report*, Weaver Boos believes that an interview with the past owners, operators, or occupants would be duplicative of information already obtained and would not provide additional material information concerning the potential for contamination at the Property. Therefore, past owners, operators, and occupants were not interviewed as part of this Phase I ESA.

6.5 Interviews with Adjoining Property Owners or Occupants

The Property is not abandoned therefore the ASTM E 1527-05 does not require *interviews* of the adjoining Property *owners* or *occupants*.

6.6 Interviews with Local Government Officials

Weaver Boos contacted the following federal, state, and local government agencies as discussed in **Section 4.2** during the Phase I ESA requesting environmental information associated with the Property:

- Cook County Assessor's Office;
- Village of Park Forest Building Department;
- Village of Park Forest Fire Department;
- IEPA;
- USEPA;
- OSFM; and
- Cook County Health Department.

Weaver Boos submitted FOIA requests to or contacted the above-mentioned government agencies. Weaver Boos was accompanied by Captain Michael Wheeler of the Park Forest Fire Department during the *site visit* of the Property on January 19, 2011. Captain Wheeler completed the Environmental Site Assessment Questionnaire and also provided fire department inspection and response records to Weaver Boos. Copies of each FOIA request and the responses, if applicable, received to date are included in **Appendix E – Environmental Records and Interview Documentation**.

As of the date of this *report*, the Cook County Health Department records have not been made available for review. Weaver Boos will forward any information of interest to Village of Park Forest after it becomes available for review, if it significantly impacts our conclusions presented herein.

6.7 Interviews with Others

Weaver Boos did not interview any others beyond those parties described in this *report*.

7.0 FINDINGS

Weaver Boos has performed this Phase I ESA, in general compliance with the scope and limitations of ASTM E 1527-05. Exceptions to or deletions from this practice are described in **Section 1.5** and **Section 11.0** of this *report*.

The following is a summary of any known or suspect environmental conditions associated with the Property. These may be separated into the following three categories: *recognized environmental conditions* (REC), *historical recognized environmental conditions* (HREC), and *de minimis* issues as discussed in **Section 8.0**, following.

Weaver Boos has identified the following known or suspected environmental conditions in connection with the Property:

- The potential presence of impacts associated with the Spill Incident (H2008-0749) and the current presence of approximately three feet of water that has come into contact with petroleum storage containers in the basement of the building; and
- The potential presence of impacts migrating onto the Property from the historic and current presence of USTs and four open LUST incidents on the northern adjoining property.

Upon further review of information as discussed in **Section 8.0**, Weaver Boos finds that the above-mentioned contaminated water and four open LUST incidents on the northern adjoining property meet the definition of a *recognized environmental condition*. Weaver Boos did not identify *historical recognized environmental conditions* or *de minimis* conditions as part of this Phase I ESA.

8.0 OPINION

The following is Weaver Boos' professional opinion regarding the potential impact of any known or suspect environmental conditions presented in **Section 7.0**.

- The potential presence of impacts associated with the Spill Incident (H2008-0749) and the current presence of approximately three feet of water that has come into contact with petroleum storage containers in the basement of the building

Weaver Boos identified a Spill Incident (#20080749) at the Property after our review of historical records. Weaver Boos obtained additional information about this incident from the Park Forest Fire Department. According to our review of those files, the Fire Department responded to a fire alarm at the Property on January 4, 2008. According to a January 10, 2008 letter to Mr. Duane Carder of Peotone Bank and Trust, approximately 3 to 4 inches of water was observed in the basement contaminated with oil. A follow up letter on July 23, 2008 to Mr. Carder from the Park Forest Fire Department indicated that approximately three feet of oil-contaminated water filled the basement. In addition, the July 23, 2008 letter indicated a 250-gallon oil container had overturned spilling its contents. Additional containers of chemicals and fuels were also observed in the basement.

Captain Michael Wheeler of the Park Forest Fire Department indicated that the previous occupant of the Property, Lube Renew, vacated the Property in approximately 2004. It is possible that oil contaminated water could have accumulated in the basement area of the building and oil/water separator for several years. Further, Weaver Boos was unable to observe the condition of the concrete basement during the *site visit*, as the basement appeared to contain approximately three feet of water. Weaver Boos also observed a motor oil AST partially submerged in the water at the time of our *site visit*. Weaver Boos considers the historical Spill incident and presence of contaminated waters, in addition to the current water and motor oil AST in the basement of the building, to meet the definition of a *recognized environmental condition* until such time as additional information suggests otherwise.

- The potential presence of impacts migrating onto the Property from the historic and current presence of USTs and four open LUST incidents on the northern adjoining property.

The northern adjoining Speedway Gas Station has nine USTs registered to the site with three gasoline USTs currently active. Four LUST incidents are currently open at the site with no recorded NFR letters. At the time of the site visit, Weaver Boos observed indications of USTs

on the northern adjoining property approximately 100 feet north of the northern Property boundary. Potential groundwater flow direction is difficult to determine. Surface topography is generally slightly to the south to southwest which would position the USTs upgradient of the Property. The nearest body of water is located approximately 1.5 miles east of the Property, which would position the USTs cross gradient relative to potential groundwater flow beneath the Property. Based on the number of current and historic USTs and open LUST incidents at the northern adjoining property, and the potential for the northern adjoining property to be topographically and hydraulically upgradient of the subject Property, Weaver Boos considers this to meet the definition of a *recognized environmental condition* until such time as additional information suggests otherwise.

9.0 DATA GAPS

Weaver Boos has not received a FOIA response from Cook County Department of Public Health and USEPA during this Phase I ESA. Weaver Boos lists the outstanding FOIA information as a *data gap*. However, based on information gathered from other sources, Weaver Boos believes that this *data gap* would not be significant in our assessment of *recognized environmental conditions* in connection with the Property.

10.0 CONCLUSIONS

Weaver Boos has performed this Phase I ESA, in general compliance with the scope and limitations of ASTM E 1527 of 381 Blackhawk Drive in Park Forest, Illinois, the Property. Exceptions to, or deletions from, this practice are described in **Section 1.5** and **11.0** of this *report*. This assessment has revealed no evidence of *recognized environmental conditions* in connection with the Property except for the following:

- The potential presence of impacts associated with the Spill Incident (H2008-0749) and the current presence of approximately three feet of water that has come into contact with petroleum storage containers in the basement of the building; and
- The potential presence of impacts migrating onto the Property from the historic and current presence of USTs and four open LUST incidents on the northern adjoining property.

11.0 DEVIATIONS

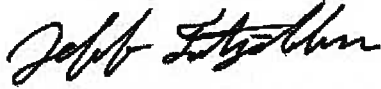
Deletions and deviations from ASTM E 1527-05 during this Phase I ESA are described in **Section 1.5** of this *report*.

12.0 REFERENCES

1. American Society for Testing Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E 1527-05).
2. Berg, R.C., and J.P. Kempton, 1988, *Stack-Unit Mapping of Geologic Materials in Illinois to a Depth of 15 Meters*: Illinois State Geological Survey Circular 542.
3. Berg, R.C., J.P. Kempton, 1984, *Potential for Contamination of Shallow Aquifers from Land Burial of Municipal Waste*: Illinois State Geological Survey Circular 532.
4. Hansel, A.K., and W. H. Johnson, 1996, *Wedron and Mason Groups: Lithostratigraphic Reclassification of Deposits of the Wisconsin Episode, Lake Michigan Lobe Area*: Illinois State Geological Survey Bulletin 104.
5. Cook County Assessor's Office.
6. Village of Park Forest Building Department.
7. Village of Park Forest Fire Department.
8. Letter Report by RS Used Oil Services dated July 25, 2008.
9. Interview with Captain Michael Wheeler of the Park Forest Fire Department; (708) 748-5605.

13.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

"I declare that I have completed this Phase I ESA under the direct supervision of an *environmental professional*" (see below).



Jeffrey Fitzgibbons
Project Geologist

"I, declare that, to the best of my professional knowledge and belief, I meet the definition of *environmental professional* as defined in §312.10 of 40 CFR 312" and

"I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312."

This Phase I ESA was performed by, or under direct supervision of, the undersigned *environmental professional*. Resumes are included in **Appendix G - Personnel Qualifications**.



Peter Cambouris, LPG
Senior Project Manager

FIGURES



SOURCE: STEGER QUAD - 1998



LEGEND

— APPROXIMATE SITE BOUNDARY

APPROXIMATE SCALE 1"=2000'



0 1000' 2000' 4000'

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SITE LOCATION MAP **379-381 BLACKHAWK DRIVE** **PARK FOREST, ILLINOIS**

WEAVER BOOS CONSULTANTS

1813 N. MILL STREET, SUITE A, NAPERVILLE, ILLINOIS 60563
 (630) 707-4848 (MAIN) (630) 707-4880 (FAX)

NAPERVILLE, IL	SPRINGFIELD, IL	SOUTH BEND, IN
CHICAGO, IL	COLUMBUS, OH	FORT WORTH, TX
GRIFFITH, IN	DENVER, CO	

DRAWN BY: CPIX	DATE: 01/28/2011	FILE: 1382/304/02
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REVIEWED BY: CD	CAD: PF000001.DWG	FIGURE 1
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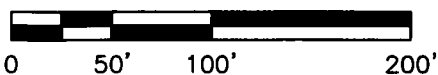
SOURCE: GOOGLE EARTH IMAGE, 2010.



LEGEND

APPROXIMATE SITE BOUNDARY

APPROXIMATE SCALE 1"=100'



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SITE LAYOUT MAP **379-381 BLACKHAWK DRIVE** **PARK FOREST, ILLINOIS**

WEAVER BOOS CONSULTANTS

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GRIFFITH, IN	DENVER, CO	

DRAWN BY: CPIX	DATE: 01/28/2011	FILE: 1382/304/02
REVIEWED BY: CD	CAD: PF000001.DWG	FIGURE 2

APPENDIX A
GLOSSARY OF TERMS

GLOSSARY OF TERMS

This appendix provides definitions, descriptions of terms, and a list of acronyms for many of the words used in ASTM E 1527-05. These terms are an integral part of ASTM E 1527-05 and are critical to understanding ASTM E 1527-05 and its use.

Definitions:

Abandoned property – Property that can be presumed to be deserted, or an intent to relinquish possession or control can be inferred from the general disrepair or lack of activity thereon such that a reasonable person could believe that there was an intent on the part of the current owner to surrender rights to the property.

Activity and use limitations—Legal or physical restrictions or limitations on the use of, or access to, a site or facility: (1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or ground water on the property, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls, are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil or ground water on the property.

Actual knowledge – The knowledge actually possessed by an individual who is a real person, rather than an entity. Actual knowledge is to be distinguished from constructive knowledge that is knowledge imputed to an individual or entity.

Adjoining properties – Any real property or properties the border of which is contiguous or partially contiguous with that of the property, or that would be contiguous or partially contiguous with that of the property but for a street, road, or other public thoroughfare separating them.

Aerial photographs – Photographs taken from an aerial platform with sufficient resolution to allow identification of development and activities of areas encompassing the property. Aerial photographs are often available from government agencies or private collections unique to a local area. See 8.3.4.1 of this practice.

All Appropriate Inquiry – That inquiry constituting “all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice” as defined in CERCLA, 42 U.S.C. §9601(35)(B), that will qualify a party to a commercial real estate transaction for one of threshold criteria for satisfying the LLPs to CERCLA liability (42

U.S.C. §9601(35)(A) & (B), §9607(b)(3), §9607(q); and §9607(r)), assuming compliance with other elements of the defense. See Appendix X1.

Approximate Minimum Search Distance – The area for which records must be obtained and reviewed pursuant to Section 8 subject to the limitations provided in that section. This may include areas outside the property and shall be measured from the nearest property boundary. This term is used in lieu of radius to include irregularly shaped properties.

Bona Fide Prospective Purchaser Liability Protection – A person may qualify as a bona fide prospective purchaser if, among other requirements, such person made “all appropriate inquiries into the previous ownership and uses of the facility in accordance with generally accepted good commercial and customary standards and practices.” Knowledge of contamination resulting from all appropriate inquiry would not generally preclude this liability protection. A person must make all appropriate inquiry on or before the date of purchase. The facility must have been purchased after January 11, 2002. See Appendix X1 for the other necessary requirements that are beyond the scope of this practice.

Brownfields Amendments – Amendments to CERCLA pursuant to the Small Business Liability Relief and Brownfields Revitalization Act, Pub. L. No. 107-118 (2002), 42 U.S.C. §9601 et seq.

Building Department Records – Those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property. Often building department records are located in the building department of a municipality or county. See 8.3.4.7.

Business Environmental Risk – A risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations, some of which are identified in Section 13.

Commercial Real Estate – Any real property except a dwelling or property with no more than four dwelling units exclusively for residential use (except that a dwelling or property with no more than four dwelling units exclusively for residential use is included in this term when it has a commercial function, as in the building of such dwellings for profit). This term includes but is not limited to undeveloped real property and real property used for industrial, retail, office, agricultural, other commercial, medical or educational purposes; property used for residential purposes that has more than four residential dwelling units; and property with no more than four

dwelling units for residential use when it has a commercial function, as in the building of such dwellings for profit.

Commercial Real Estate Transaction – A transfer of title to or possession of real property or receipt of a security interest in real property, except that it does not include transfer of title to or possession of real property or the receipt of a security interest in real property with respect to an individual dwelling or building containing fewer than five dwelling units, nor does it include the purchase of a lot or lots to construct a dwelling for occupancy by a purchaser, but a commercial real estate transaction does include real property purchased or leased by persons or entities in the business of building or developing dwelling units.

Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)—The list of sites compiled by EPA that EPA has investigated, or is currently investigating, for potential hazardous substance contamination for possible inclusion on the National Priorities List.

Construction debris—Concrete, brick, asphalt, and other such building materials discarded in the construction of a building or other improvement to property.

Contaminated public wells—Public wells used for drinking water that have been designated by a government entity as contaminated by hazardous substances (for example, chlorinated solvents), or as having water unsafe to drink without treatment.

Contiguous Property Owner Liability Protection – A person may qualify for the contiguous property owner liability protection if, among other requirements, such person owns real property that is contiguous to, and that is or may be contaminated by hazardous substances from other real property that is not owned by that person. Furthermore, such person conducted all appropriate inquiry at the time of acquisition of the property and did not know or have reason to know that the property was or could be contaminated by a release or threatened release from the contiguous property. The all appropriate inquiry must not result in knowledge of contamination. If it does, then such person did “know” or “had reason to know” of contamination and would not be eligible for the contiguous property owner liability protection. See Appendix X1 for the other necessary requirements that are beyond the scope of this practice.

CORRACTS list— A list maintained by EPA of hazardous waste treatment, storage or disposal facilities and other RCRA-regulated facilities (due to past interim status or storage of hazardous waste beyond 90 days) that have been notified by the U.S Environmental Protection Agency to

undertake corrective action under RCRA. The CORRACTS list is a subset of the EPA database that manages RCRA data.

Data Failure – A failure to achieve the historical research objectives in 8.3.1 through 8.3.2.2 even after reviewing the standard historical sources in 8.3.4.1 through 8.3.4.8 that are reasonably ascertainable and likely to be useful. Data failure is one type of data gap.

Data Gap – A lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to site reconnaissance (for example, an inability to conduct the site visit), and interviews (for example, an inability to interview the key site manager, regulatory officials, etc.). See 12.7.

Demolition debris—Concrete, brick, asphalt, and other such building materials discarded in the demolition of a building or other improvement to property.

Drum—A container (typically, but not necessarily, holding 55 gal (208 L) of liquid) that may be used to store *hazardous substances* or *petroleum products*.

Dry wells—Underground areas where soil has been removed and replaced with pea gravel, coarse sand, or large rocks. Dry wells are used for drainage, to control storm runoff, for the collection of spilled liquids (intentional and non-intentional), and wastewater disposal (often illegal).

Due Diligence – The process of inquiring into the environmental characteristics of a parcel of commercial real estate or other conditions, usually in connection with a commercial real estate transaction. The degree and kind of due diligence vary for different properties and differing purposes. See Appendix X1.

Dwelling—Structure or portion thereof used for residential habitation.

Engineering controls (EC)—Physical modifications to a site or facility (for example, capping, slurry walls, or point of use water treatment) to reduce or eliminate the potential for exposure to hazardous substances or petroleum products in the soil or ground water on the property. Engineering controls are a type of activity and use limitation (AUL).

Environmental Compliance Audit – The investigative process to determine if the operations of an existing facility are in compliance with applicable environmental laws and regulations. This term should not be used to describe this practice, although an environmental compliance audit

may include an environmental site assessment or, if prior audits are available, may be part of an environmental site assessment.

Environmental lien—A charge, security, or encumbrance upon title to a *property* to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of *hazardous substances* or *petroleum products* upon a *property*, including (but not limited to) liens imposed pursuant to CERCLA 42 U.S.C. §9607(1) & 9607(r) and similar state or local laws.

Environmental Professional – A person meeting the education, training, and experience requirements as set forth in 40 CFR §312.10(b). See Appendix X2. The person may be an independent contractor or an employee of the user.

Environmental Site Assessment – The process by which a person or entity seeks to determine if a particular parcel of real property (including improvements) is subject to recognized environmental conditions. At the option of the user, an environmental site assessment may include more inquiry than that constituting all appropriate inquiry or, if the user is not concerned about qualifying for the LLPs, less inquiry than that constituting all appropriate inquiry. An environmental site assessment is both different from and less rigorous than an environmental compliance audit.

ERNS list—EPA's emergency response notification system list of reported CERCLA hazardous substance releases or spills in quantities greater than the reportable quantity, as maintained at the National Response Center. Notification requirements for such releases or spills are codified in 40 CFR Parts 302 and 355.

Federal Register (FR)—Publication of the United States government published daily (except for federal holidays and weekends) containing all proposed and final regulations and some other activities of the federal government. When regulations become final, they are included in the Code of Federal Regulations (CFR), as well as published in the Federal Register.

Fill Dirt – Dirt, soil, sand, or other earth, that is obtained off-site, that is used to fill holes or depressions, create mounds, or otherwise artificially change the grade or elevation of real property. It does not include material that is used in limited quantities for normal landscaping activities.

Fire insurance maps—Maps produced for private fire insurance map companies that indicate uses of properties at specified dates and that encompass the property. These maps are often

available at local libraries, historical societies, private resellers, or from the map companies who produced them.

Good Faith – The absence of any intention to seek an unfair advantage or to defraud another party; an honest and sincere intention to fulfill one’s obligations in the conduct or transaction concerned.

Hazardous substance—A substance defined as hazardous pursuant to CERCLA 42 U.S.C. §9601(14), as interpreted by EPA regulations and the courts: “(A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title, (C) any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of the Resource Conservation and Recovery Act of 1976 (RCRA), as amended, (42 U.S.C. §6921) (but not including any waste the regulation of which under RCRA (42 U.S.C. §§6901 *et seq.*) has been suspended by Act of Congress), (D) any toxic pollutant listed under section 1317(a) of Title 33, (E) any hazardous air pollutant listed under section 112 of the Clean Air Act (42 U.S.C. §7412), and (F) any imminently hazardous chemical substance or mixture with respect to which the Administrator (of EPA) has taken action pursuant to section 2606 of Title 15. The term does not include petroleum, including crude oil or any fraction thereof, which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of this paragraph; the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).” (See Appendix X1.)

Hazardous waste—Any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of RCRA, as amended, (42 U.S.C. §6921) (but not including any waste the regulation of which under RCRA (42 U.S.C. §§6901-6992k) has been suspended by Act of Congress). RCRA is sometimes also identified as the Solid Waste Disposal Act. RCRA defines hazardous waste, at 42 U.S.C. §6903, as: “a solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may— (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible, illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed.”

Hazardous Waste/Contaminated Sites – Sites on which a release has occurred, or is suspected to have occurred, of any hazardous substance, hazardous waste, or petroleum products, and that release or suspected release has been reported to a government entity.

Historical Recognized Environmental Condition – An environmental condition which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently. The final decision rests with the environmental professional and will be influenced by the current impact of the historical recognized environmental condition on the property. If a past release of any hazardous substances or petroleum products has occurred in connection with the property and has been remediated, with such remediation accepted by the responsible regulatory agency (for example, as evidenced by the issuance of a no further action letter or equivalent), this condition shall be considered an historical recognized environmental condition and included in the findings section of the Phase I Environmental Site Assessment report. The environmental professional shall provide an opinion of the current impact on the property of this historical recognized environmental condition in the opinion section of the report. If this historical recognized environmental condition is determined to be a recognized environmental condition at the time the Phase I Environmental Site Assessment is conducted, the condition shall be identified as such and listed in the conclusions section of the report.

IC/EC Registries – Databases of institutional controls or engineering controls that may be maintained by a federal, state or local environmental agency for purposes of tracking sites that may contain residual contamination and AULs. The names for these may vary from program to program and state to state, and include terms such as Declaration of Environmental Use Restriction database (Arizona), list of “deed restrictions” (California), environmental real covenants list (Colorado), brownfields site list (Indiana, Missouri, Pennsylvania).

Innocent Landowner Defense – (42 U.S.C. §§9601(35) & 9607(b)(3)) – A person may qualify as one of three types of innocent landowners: (i) a person who “did not know and had no reason to know” that contamination existed on the property at the time the purchaser acquired the property; (ii) a government entity which acquired the property by escheat, or through any other involuntary transfer or acquisition, or through the exercise of eminent domain authority by purchase or condemnation; and (iii) a person who “acquired the facility by inheritance or bequest.” To qualify for the first type of innocent landowner LLP, such person must have made all appropriate inquiry on or before the date of purchase. Furthermore, the all appropriate inquiry must not have resulted in knowledge of the contamination. If it does, then such person did “know” or “had reason to know” of contamination and would not be eligible for the innocent landowner defense. See Appendix X1 for the other necessary requirements that are beyond the scope of this practice.

Institutional controls (IC) — A legal or administrative restriction (for example, “deed restrictions,” restrictive covenants, easements, or zoning) on the use of, or access to, a site or

facility to (1) reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or groundwater on the property, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. An institutional control is a type of Activity or Use Limitation (AUL).

Interviews – Those portions of this practice that are contained in Section 10 and 11 thereof and address questions to be asked of past and present owners, operators, and occupants of the property and questions to be asked of local government officials.

Key site manager – The person identified by the owner or operator of a property as having good knowledge of the uses and physical characteristics of the property. See 10.5.1.

Landfill—A place, location, tract of land, area, or premises used for the disposal of solid wastes as defined by state solid waste regulations. The term is synonymous with the term *solid waste disposal site* and is also known as a garbage dump, trash dump, or similar term.

Landowner Liability Protections (LLPs) – Landowner liability protections under CERCLA; these protections include the bona fide prospective purchaser liability protection, contiguous property owner liability protection, and innocent landowner defense from CERCLA liability. See 42 U.S.C. §§9601(35)(A), 9601(40), 9607(b), 9607(q), 9607(r).

Local government agencies – Those agencies of municipal or county government having jurisdiction over the property. Municipal and county government agencies include but are not limited to cities, parishes, townships, and similar entities.

Local street directories—Directories published by private (or sometimes government) sources that show ownership, occupancy, and/or use of sites by reference to street addresses. Often, local street directories are available at libraries or historical societies, and/or local municipal offices. See 8.3.4.6 of this practice.

LUST sites – State lists of leaking underground storage tank sites. RCRA gives EPA and states, under cooperative agreements with EPA, authority to clean up releases from UST systems or require owners and operators to do so. (42 U.S.C. §6991b).

Major occupants – Those tenants, subtenants, or other persons or entities each of which uses at least 40% of the leasable area of the property or any anchor tenant when the property is a shopping center.

Material safety data sheet (MSDS)—Written or printed material concerning a hazardous substance which is prepared by chemical manufacturers, importers, and employers for hazardous chemicals pursuant to OSHA's Hazard Communication Standard, 29 C.F.R. §1910.1200.

Material threat – A physically observable or obvious threat which is reasonably likely to lead to a release that, in the opinion of the environmental professional, is threatening and might result in impact to public health or the environment. An example might include an aboveground storage tank system that contains a hazardous substance and which shows evidence of damage. The damage would represent a material threat if it is deemed serious enough that it may cause or contribute to tank integrity failure with a release of contents to the environment.

National Contingency Plan (NCP)—The National Oil and Hazardous Substances Pollution Contingency Plan, found at 40 C.F.R. Part 300, that is the EPA's blueprint on how hazardous substances are to be cleaned up pursuant to CERCLA.

National Priorities List (NPL)—List compiled by the EPA, pursuant to CERCLA 42 U.S.C. §9605(a)(8)(B) of properties with the highest priority for cleanup pursuant to EPA's Hazard Ranking System. See 40 C.F.R. Part 300.

Obvious – That which is plain or evident; a condition or fact that could not be ignored or overlooked by a reasonable observer while visually or physically observing the property.

Occupants—Those tenants, subtenants, or other persons or entities using the *property* or a portion of the *property*.

Operator – The person responsible for the overall operation of a facility.

Other historical sources – Any source or sources other than those designated in 8.3.4.1 through 8.3.4.8 that are credible to a reasonable person and that identify past uses of the property. The term includes, but is not limited to: miscellaneous maps, newspaper archives, internet sites, community organizations, local libraries, historical societies, current owners or occupants of neighboring properties, and records in the files and/or personal knowledge of the property owner and/or occupants. See 8.3.4.9.

Owner—Generally the fee owner of record for the *property*.

Petroleum exclusion—The exclusion from CERCLA liability provided in 42 U.S.C. §9601(14), as interpreted by the courts and EPA: "The term (hazardous substance) does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or

designated as a hazardous substance under subparagraphs (A) through (F) of this paragraph, and the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).”

Petroleum products—Those substances included within the meaning of the *petroleum exclusion* to CERCLA, 42 U.S.C. §9601(14), as interpreted by the courts and EPA, that is: petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under Subparagraphs (A) through (F) of 42 U.S.C. §9601(14), natural gas, natural gas liquids, liquefied natural gas, and synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas). (The word fraction refers to certain distillates of crude oil, including gasoline, kerosene, diesel oil, jet fuels, and fuel oil, pursuant to *Standard Definitions of Petroleum Statistics*.¹)

Phase I Environmental Site Assessment—The process described in this practice.

Physical setting sources – Sources that provide information about the geologic, hydrogeologic, hydrologic, or topographic characteristics of a property. See 8.2.3.

Pits, ponds, or lagoons—Man-made or natural depressions in a ground surface that are likely to hold liquids or sludge containing *hazardous substances* or *petroleum products*. The likelihood of such liquids or sludge being present is determined by evidence of factors associated with the pit, pond, or lagoon, including, but not limited to, discolored water, distressed vegetation, or the presence of an obvious wastewater discharge.

Practically reviewable – Information that is practically reviewable means that the information is provided by the source in a manner and in a form that, upon examination, yields information relevant to the property without the need for extraordinary analysis of irrelevant data. The form of the information shall be such that the user can review the records for a limited geographic area. Records that cannot be feasibly retrieved by reference to the location of the property or a geographic area in which the property is located are not generally practically reviewable. Most databases of public records are practically reviewable if they can be obtained from the source agency by the county, city, zip code, or other geographic area of the facilities listed in the record system. Records that are sorted, filed, organized, or maintained by the source agency only chronologically are not generally practically reviewable. Listings in publicly available records which do not have adequate address information to be located geographically are not generally considered practically reviewable. For large databases with numerous records (such as RCRA hazardous waste generators and registered underground storage tanks), the records are not

¹ *Standard Definitions of Petroleum Statistics*, American Petroleum Institute, Fourth Edition, 1988.

practically reviewable unless they can be obtained from the source agency in the smaller geographic area of zip codes. Even when information is provided by zip code for some large databases, it is common for an unmanageable number of sites to be identified within a given zip code. In these cases, it is not necessary to review the impact of all of the sites that are likely to be listed in any given zip code because that information would not be practically reviewable. In other words, when so much data is generated that it cannot be feasibly reviewed for its impact on the property, it is not practically reviewable.

Property—The real property that is the subject of the *environmental site assessment* described in this practice. Real property includes buildings and other fixtures and improvements located on the property and affixed to the land.

Property tax files—The files kept for property tax purposes by the local jurisdiction where the property is located and includes records of past ownership, appraisals, maps, sketches, photos, or other information that is reasonably ascertainable and pertaining to the property. See 8.3.4.3

Publicly available – Information that is publicly available means that the source of the information allows access to the information by anyone upon request.

RCRA generators—Those persons or entities that generate hazardous waste, as defined and regulated by RCRA.

RCRA generators list—List kept by the EPA of those persons or entities that generate hazardous wastes as defined and regulated by RCRA.

RCRA TSD facilities—Those facilities on which treatment, storage, and/or disposal of hazardous wastes takes place, as defined and regulated by RCRA.

RCRA TSD facilities list—List kept by the EPA of those facilities at which treatment, storage, and/or disposal of hazardous wastes takes place, as defined and regulated by RCRA.

Reasonable time and cost—Information that is obtainable within reasonable time and cost constraints means that the information will be provided by the source within 20 calendar days of receiving a written, telephone, or in-person request at no more than a nominal cost intended to cover the source's cost of retrieving and duplicating the information. Information that can only be reviewed by a visit to the source is reasonably ascertainable if the visit is permitted by the source within 20 days of request.

Reasonably ascertainable – Information that is (1) publicly available, (2) obtainable from its source within reasonable time and cost constraints, and (3) practically reviewable.

Recognized environmental conditions – the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not recognized environmental conditions.

Recorded land title records—Records of historical fee ownership, which may include leases, land contracts, and AULs on or of the property recorded in the place where land title records are, by law or custom, recorded for the local jurisdiction in which the *property* is located. (Often such records are kept by a municipal or county recorder or clerk.) Such records may be obtained from title companies or directly from the local government agency. Information about the title to the property that is recorded in a U.S. district court or any place other than where land title records are, by law or custom, recorded for the local jurisdiction in which the property is located, are not considered part of recorded land title records. See 8.3.4.4.

Records of emergency release notifications EPCRA — Requires operators of facilities to notify their local emergency planning committee (as defined in EPCRA) and state emergency response commission (as defined in EPCRA) of any release beyond the facility's boundary of any reportable quantity of any extremely hazardous substance. Often the local fire department is the local emergency planning committee. Records of such notifications are “Records of Emergency Release Notifications” (42 U.S.C. 11004).

Records review – That part that is contained in Section 8 of this practice addresses which records shall or may be reviewed.

Report—The written report prepared by the environmental professional and constituting part of a “Phase I Environmental Site Assessment,” as required by this practice.

Site reconnaissance – That part that is contained in Section 9 of this practice and addressed what should be done in connection with the site visit. The site reconnaissance includes, but is not limited to, the site visit done in connection with such a Phase I Environmental Site Assessment.

Site visit – The visit to the property during which observations are made constituting the site reconnaissance section of this practice.

Solid waste disposal site—A place, location, tract of land, area, or premises used for the disposal of solid wastes as defined by state solid waste regulations. The term is synonymous with the term *landfill* and is also known as a garbage dump, trash dump, or similar term.

Solvent—A chemical compound that is capable of dissolving another substance and may itself be a *hazardous substance*, used in a number of manufacturing/industrial processes including, but not limited to, the manufacture of paints and coatings for industrial and household purposes, equipment clean-up, and surface degreasing in metal fabricating industries.

Standard environmental record sources – Those records specified in 8.2.1.

Standard historical sources – Those sources of information about the history of uses of property specified in 8.3.4.

Standard physical setting source – A current USGS 7.5 Minute Topographic Map (if any) showing the area on which the property is located. See 8.2.3.

Standard practice – The activities set forth in this practice.

Standard sources – Sources of environmental, physical setting, or historical records specified in Section 8 of this practice.

State registered USTs—State lists of underground storage tanks required to be registered under Subtitle I, Section 9002 of RCRA.

Sump—A pit, cistern, cesspool, or similar receptacle where liquids drain, collect, or are stored.

TSD facility—Treatment, storage, or disposal facility (see *RCRA TSD facilities*).

Underground injection – The emplacement or discharge of fluids into the subsurface by means of a well, improved sinkhole, sewage drain hole, subsurface fluid distribution system or other system, or groundwater point source.

Underground storage tank (UST)—Any tank, including underground piping connected to the tank, that is or has been used to contain *hazardous substances* or *petroleum products* and the volume of which is 10% or more beneath the surface of the ground.

User – The party seeking to use Practice E 1527 to complete an environmental site assessment of the property. A user may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager. The user has specific obligations for completing a successful application of this practice as outlined in Section 6.

USGS 7.5 Minute Topographic Map—The map (if any) available from or produced by the United States Geological Survey, entitled “USGS 7.5 Minute Topographic Map,” and showing the property.

Visually and/or physically observed – During a site visit pursuant to this practice, this term means observations made by vision while walking through a property and the structures located on it and observations made by the sense of smell, particularly observations of noxious or foul odors. The term “walking through” is not meant to imply that disabled person who cannot physically walk may not conduct a site visit; they may do so by the means at their disposal for moving through the property and the structures located on it.

Wastewater—Water that (1) is or has been used in an industrial or manufacturing process, (2) conveys or has conveyed sewage, or (3) is directly related to manufacturing, processing, or raw materials storage areas at an industrial plant. Wastewater does not include water originating on or passing through or adjacent to a site, such as stormwater flows, that has not been used in industrial or manufacturing processes, has not been combined with sewage, or is not directly related to manufacturing, processing, or raw materials storage areas at an industrial plant.

Zoning/land use records—Those records of the local government in which the *property* is located, indicating the uses permitted by the local government in particular zones within its jurisdiction. The records may consist of maps and/or written records. They are often located in the planning department of a municipality or county. See 8.3.4.8

Acronyms:

AULs – Activity and Use Limitations.

CERCLA—Comprehensive Environmental Response, Compensation and Liability Act of 1980 (as amended, 42 U.S.C. §§9601 *et seq.*).

CERCLIS—Comprehensive Environmental Response, Compensation and Liability Information System (maintained by EPA).

CFR—Code of Federal Regulations.

CORRACTS—Facilities subject to corrective action under RCRA.

EPA—United States Environmental Protection Agency.

EPCRA—Emergency Planning and Community Right to Know Act (also known as SARA Title III), 42 U.S.C. §§11001-11050 *et seq.*).

ERNS—Emergency response notification system.

ESA—Environmental site assessment (different than an *environmental compliance audit*, 3.2.27).

FOIA—U.S. Freedom of Information Act (5 U.S.C. 552 *et seq.*).

FR—Federal Register.

ICs – Institutional Controls.

LLP – Landowner Liability Protections under the Brownfields Amendments.

LUST—Leaking Underground Storage Tank.

MSDS—Material Safety Data Sheet.

NCP—National Contingency Plan.

NFRAP – Former CERCLIS sites where no further remedial action is planned under CERCLA.

NPDES – National Pollutant Discharge Elimination System.

NPL – National Priorities List.

PCBs – Polychlorinated biphenyls.

PRP – Potentially Responsible Party (pursuant to CERCLA 42 U.S.C. §9607(a)).

RCRA – Resource Conservation and Recovery Act (as amended, 42 U.S.C. §§6901 *et seq.*).

SARA – Superfund Amendments and Reauthorization Act of 1986 (amendment to CERCLA).

TSDF – *Hazardous waste* treatment, storage or disposal facility.

USC – United States Code.

USGS – United States Geological Survey.

UST – Underground Storage Tank.

APPENDIX B
USER-PROVIDED INFORMATION

WEAVER BOOS CONSULTANTS
Phase I Environmental Site Assessment
User-Provided Information Questionnaire

This questionnaire is based upon Section X3 of the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E 1527-05).

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by 40 CFR 312, the user must provide the available information requested in numbers 1 through 6, following. In addition, the information requested in numbers 7 through 17 is not necessarily required to qualify for one of the LLPs, but typically is necessary and should be provided to assist us in completing the Phase I ESA. Lack of this requested information could result in data gaps in the findings of the Phase I ESA. Weaver Boos requests that the respondent provide the requested information and/or any comments, such as if the information is not available, or unknown, and sign the last page of the questionnaire which affirms that the respondent has answered all questions to the best of the respondent's actual knowledge and in good faith.

1. **Copies of any environmental cleanup liens that are filed or recorded against the property (40 CFR 312.25).** Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?

Attached Letter From R.S. Services

2. **Activity use limitations that are in place on the property or have been filed or recorded in a registry (40 CFR 312.26).** Are you aware of any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law? For example, engineering controls or institutional controls to prevent or control exposure to environmental impact that are filed in a registry under federal, tribal, state, or local law or recorded with the property or adjoining properties.

None

WEAVER BOOS CONSULTANTS

Phase I Environmental Site Assessment

User-Provided Information Questionnaire

This questionnaire is based upon Section X3 of the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E 1527-05).

3. **Any specialized knowledge or experience of the person seeking to qualify for the Landowner Liability Protections (40 CFR Part 312.28).** As the user of this ESA, do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you familiar with the current or past operations at the property or adjoining properties so that you would have specialized knowledge of the chemicals and processes used by these types of businesses?

Lubrication Shop

4. **Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29).** Does the purchase price being paid for the property reflect fair market value of the property? If there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?
-

5. **Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).** Are you aware of commonly known or reasonably ascertainable information about the property or adjoining properties that would help Weaver Boos to identify conditions indicative of releases or threatened releases? For example, as user,

- a) Do you know the past uses of the property or adjoining properties?

Lubrication Shop

WEAVER BOOS CONSULTANTS

Phase I Environmental Site Assessment

User-Provided Information Questionnaire

This questionnaire is based upon Section X3 of the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E 1527-05).

- b) Do you know the specific chemicals that are present or once were present at the property or adjoining properties?

Oil

- c) Do you know of spills or chemical releases that have taken place at the property or adjoining properties?

Building Cleaned 7-08

- d) Do you know of any environmental cleanups that have taken place at the property or adjoining properties?

See above

6. The degree of obviousness of the likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31). As the user of this Phase I ESA, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property or adjoining properties?

WEAVER BOOS CONSULTANTS
Phase I Environmental Site Assessment
User-Provided Information Questionnaire

This questionnaire is based upon Section X3 of the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E 1527-05).

7. The reason why this Phase I ESA is required.

8. The type of property and type of property transaction (e.g., purchase, exchange, etc.).

9. Complete and correct address for the property (a map or other documentation showing the property location and boundaries is helpful).

10. The scope of services desired for the Phase I (including whether any parties to the property transaction may have a required standard scope of services on whether any considerations beyond the requirements of Practice 1527 are to be considered).

11. Identification of all parties who will rely on the Phase I report.

WEAVER BOOS CONSULTANTS

Phase I Environmental Site Assessment

User-Provided Information Questionnaire

This questionnaire is based upon Section X3 of the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E 1527-05).

12. Identification of the site contact and how the contact can be reached. (i.e., the key site manager, who will provide Weaver Boos with access to the property and who possesses a good working knowledge of the uses and physical characteristics of the property and its history).

13. Any special terms and conditions (beyond those attached to this Proposal) which must be agreed upon by the environmental professional.

14. Any other knowledge or experience with the property that may be pertinent to the environmental professional (for example, copies of any available prior environmental site assessment reports, documents, correspondences, etc., concerning the property and its environmental condition).

Attached

15. A legal description of the property and a plat of survey showing the configuration and boundaries of the property.

WEAVER BOOS CONSULTANTS

Phase I Environmental Site Assessment

User-Provided Information Questionnaire

This questionnaire is based upon Section X3 of the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E 1527-05).

16. The name of the owner of record of the property.

First Midwest Bank

17. All known parcel index numbers (PINs or tax ID numbers) for the property.

18. Any and all known past owners of the property including time period of ownership and use of the property during ownership. Please include any contact information that you may have.

19. Any and all known past occupants of the property including time period of occupancy and use of the property during occupancy. Please include any contact information that you may have.

Lube Shop

WEAVER BOOS CONSULTANTS

Phase I Environmental Site Assessment

User-Provided Information Questionnaire

This questionnaire is based upon Section X3 of the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E 1527-05).

The respondent of the questionnaire must complete and sign the following statement.

This questionnaire was completed by:

Name:

Title:

Firm:

Address:

Phone Number:

Date:

The respondent represents that to the best of the respondent's knowledge the above statements and facts are true and correct and to the best of the respondent's actual knowledge, no material facts have been suppressed or misstated.

Print Name (Respondent):

Signature (Respondent):

Date:



USED OIL SERVICES, INC.
Licensed Special Waste Hauler

25963 S. Ridgeland Avenue
Monee, Illinois 60449

7/25/08

Peotone Bank
Attn: Mr. Dwayne Carter
381 Blackhawk
Park Forest, IL 60466

RE: Contaminated Water Removal and Industrial Cleaning Services at Lube Renew in Park Forest, Illinois.

Dear Mr. Carter,

The following information outlines our Scope of Work of completion at Lube Renew in Park Forest, IL.

Scope-of-Work completed by RS Used Oil Services:

- Removed all contaminated waters from the basement area. All waste was Profiled and Approved for disposal at an appropriately permitted wastewater treatment facility.
- Removed all products remaining in tanks.
- Our Field Services Technicians have removed all remaining gross contamination from surfaces within the areas of concern. All oily debris and cleaning equipment has been containerized and disposed of appropriately.

Please feel free to contact us at anytime with any questions you may have.

RS Used Oil Services Project Coordination Team:

Carol Janaszak
Sales Representative
Cell (708) 932-1174

Scott Dettmering
Operations Manager
Cell (708) 935-6090

Rob McLaughlin
Field Services Coordinator
Cell (708) 935-6112

William H. Metz & Associates, Inc.

Real Estate Appraisers & Consultants

15020 S. CICERO AVENUE
OAK FOREST, ILLINOIS 60452
(708) 535-1313
FAX (708) 535-1316



William H. Metz, MAI, SRA

February 20, 2006

Mr. Duane Carder
Senior Vice President
Peotone Bank & Trust Company
200 West Corning Avenue
Peotone, Illinois 60468

Re: Complete Restricted Use Appraisal Report
of an Oil Change Lube Facility
Located at
379 - 381 Blackhawk Drive
Park Forest, Illinois

Dear Mr. Carder:

In accordance with your request, I have personally inspected and appraised the land, together with the building improvements constructed thereon, located at 379 - 381 Blackhawk Drive, Park Forest, Illinois. The property is legally described as follows:

PARCEL 1

LOT 1 IN J-MAR RESUBDIVISION OF LOT 5 IN BLOCK 99 IN VILLAGE OF PARK FOREST AREA NUMBER 4, A SUBDIVISION OF PART OF THE EAST HALF OF SECTION 35 AND THE WEST HALF OF SECTION 36, TOWNSHIP 35 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS.

PARCEL 2

THAT PART OF LOT 3 IN SHERYL'S RESUBDIVISION OF OUTLOT S IN BLOCK 99 IN THE VILLAGE OF PARK FOREST AREA NUMBER 4, BEING A SUBDIVISION IN THE EAST HALF OF SECTION 35 AND THE WEST HALF OF SECTION 36, TOWNSHIP 35 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: BEGINNING AT THE SOUTHWEST CORNER OF SAID LOT 3; THENCE NORTHERLY 157.80 FEET

ALONG THE WEST LINE OF SAID LOT 3 TO THE SOUTH LINE OF LOT 2 IN SAID SHERYL'S RESUBDIVISION; THENCE EASTERLY 211.82 FEET ALONG LAST SAID SOUTH LINE AND EXTENDED EAST TO THE EAST LINE OF SAID LOT 3; THENCE SOUTHERLY 71.56 FEET ALONG LAST SAID EAST LINE, TO THE SOUTHERLY LINE OF SAID LOT 3; THENCE WESTERLY 110 FEET; THENCE SOUTHWESTERLY 91.03 FEET; THENCE SOUTHWESTERLY 65.18 FEET ALL ALONG LAST SAID SOUTHERLY LINE, TO THE PLACE OF BEGINNING, ALL IN COOK COUNTY, ILLINOIS.

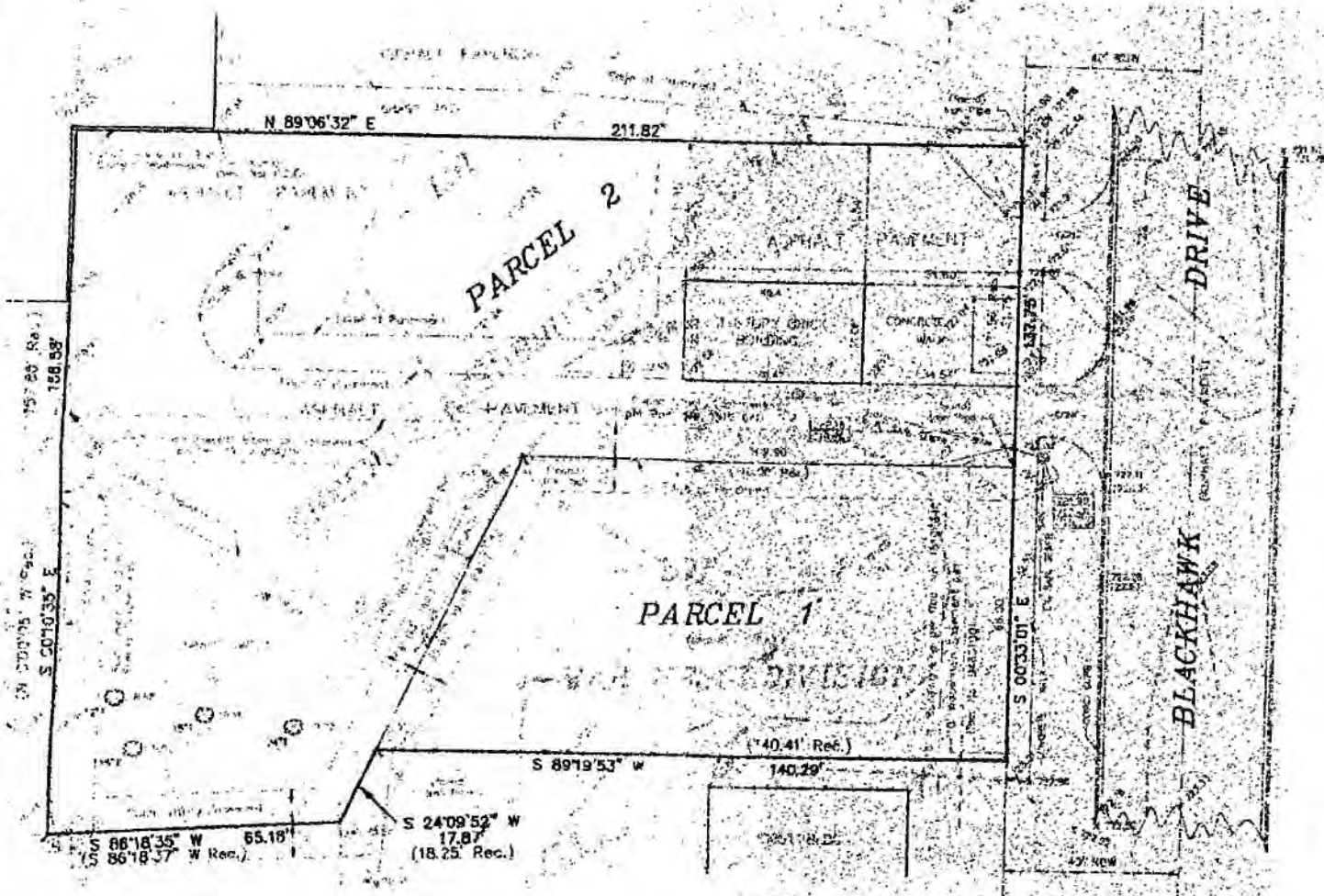
The legal description is set forth for purposes of distinguishing the general location of the site. The appraiser assumes no liability for the accuracy of the foregoing legal description, and this description should not be used in any matters relating to the property without legal counsel.

The property is located within Census Tract #8304 and is identified for Real Estate Tax purposes by Permanent Index Numbers 31-35-202-014 and -017. According to Public Records, no transfer of the subject property has taken place over the last three years nor is it currently listed for sale. The building is currently vacant and the Village of Park Forest indicates it has been vacant for one- and one-half to two years. This property was previously appraised by William H. Metz & Associates, Inc. on March 11, 2003. This appraisal took into consideration that the property was a fully operational as an oil change lube facility at the time of appraisal. The current valuation is based on the building's present condition, which is vacant with no active business taking place. The building is vacant and all equipment and signage has been removed from the property.

This is a Complete Restricted Use Appraisal Report which is intended to comply with the reporting requirements set forth under Standard Rule 2-2(c) of the Uniform Standards of Professional Appraisal Practice for a Complete Restricted Use Appraisal Report. As such, it does not include discussions of the data, reasoning, and analyses that were used in the appraisal process to develop the appraiser's opinion of value. Supporting documentation concerning the data, reasoning, and analyses is retained in the appraiser's file. The information contained in this report is specific to the needs of the client and for the intended use stated in this report. The appraiser is not responsible for unauthorized use of this report.

Due to the age, condition and functional utility of the property, the Cost Approach was not considered to provide a reliable indication of value. The Income Approach was not applied to the subject property because there have been limited recent rentals of similar properties in the subject area from which a reliable indication of market rent could be estimated. The majority of properties similar to the subject are typically owner occupied. The Direct Sales Comparison Approach was applied to the subject property since there have been several sales of similar properties within the region over the last several years.

LAND TITLE SURVEY (Building Not Shown)



APPENDIX C
PHOTOGRAPHIC DOCUMENTATION

Photograph #1

View of the main entrance to the building on the Property looking west.



Photograph #2

View of the south side of the building.



Photograph #3

View of the southern
adjoining property.



Photograph #4

View of the rear
(western) side of the
building.





Photograph #5

View of the western
adjoining property.



Photograph #6

View of electrical
transformer west of
the building.

Photograph #7



View of the north side of the building and northern Property boundary.

Photograph #8



View of the northern adjoining Speedway gas station.

Photograph #9

View of the eastern
Property boundary
looking south.



Photograph #10

View of main shop
floor area on the
Property.





Photograph #11

View of standing water in the basement of the building.



Photograph #12

Additional view of standing water in the basement of the building.

Photograph #13

View of oil storage
containers.



Photograph #14

View of used
antifreeze AST.



Photograph #15

View of apparent oil/
water separator at
the front of the
building.



APPENDIX D
REGULATORY RECORDS DOCUMENTATION



Radius Report

<http://www.geo-search.net/QuickMap/index.htm?DataID=Standard0000025365>

Click on link above to access the map and satellite view of current property

Target Property:

Park Forest Site

379-381 Blackhawk Drive

Park Forest, Cook County, Illinois 60466

Prepared For:

Historical Information Gatherers, Inc.

Order #: 10993

Job #: 25365

Project #: MBB-1157

Date: 01/19/2011

TARGET PROPERTY SUMMARY

Park Forest Site

379-381 Blackhawk Drive

Park Forest, Cook County, Illinois 60466

USGS Quadrangle: **Steger, IL**

Target Property Geometry: **Area**

Target Property Longitude(s)/Latitude(s):

**(-87.701608, 41.483395), (-87.702180, 41.483386), (-87.702261, 41.483315), (-87.702538, 41.483315),
(-87.702538, 41.483735), (-87.701599, 41.483735), (-87.701599, 41.483413), (-87.701608, 41.483404),
(-87.701608, 41.483395)**

County/Parish Covered:

Cook (IL), Will (IL)

Zipcode(s) Covered:

Matteson IL: 60443

Park Forest IL: 60466

Richton Park IL: 60471

State(s) Covered:

IL

***Target property is located in Radon Zone 2.**

Zone 2 areas have a predicted average indoor radon screening level between 2 and 4 pCi/L.

Disclaimer - The information provided in this report was obtained from a variety of public sources. GeoSearch cannot ensure and makes no warranty or representation as to the accuracy, reliability, quality, errors occurring from data conversion or the customer's interpretation of this report. This report was made by GeoSearch for exclusive use by its clients only. Therefore, this report may not contain sufficient information for other purposes or parties. GeoSearch and its partners, employees, officers And independent contractors cannot be held liable For actual, incidental, consequential, special or exemplary damages suffered by a customer resulting directly or indirectly from any information provided by GeoSearch.

DATABASE FINDINGS SUMMARY

DATABASE	ACRONYM	LOCA- TABLE	UNLOCA- TABLE	SEARCH RADIUS (miles)
<u>FEDERAL</u>				
AEROMETRIC INFORMATION RETRIEVAL SYSTEM / AIR FACILITY SUBSYSTEM	AIRSAFS	0	0	Target Property
BIENNIAL REPORTING SYSTEM	BRS	0	0	Target Property
CLANDESTINE DRUG LABORATORY LOCATIONS	CDL	0	0	Target Property
EPA DOCKET DATA	DOCKETS	0	0	Target Property
FEDERAL ENGINEERING INSTITUTIONAL CONTROL SITES	EC	0	0	Target Property
EMERGENCY RESPONSE NOTIFICATION SYSTEM	ERNSIL	0	0	Target Property
FACILITY REGISTRY SYSTEM	FRSIL	1	0	Target Property
HAZARDOUS MATERIALS INCIDENT REPORTING SYSTEM	HMIRSR05	0	0	Target Property
INTEGRATED COMPLIANCE INFORMATION SYSTEM (FORMERLY DOCKETS)	ICIS	0	0	Target Property
INTEGRATED COMPLIANCE INFORMATION SYSTEM NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	ICISNPDES	0	0	Target Property
MATERIAL LICENSING TRACKING SYSTEM	MLTS	0	0	Target Property
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	NPDES05	0	0	Target Property
PCB ACTIVITY DATABASE SYSTEM	PADS	0	0	Target Property
PERMIT COMPLIANCE SYSTEM	PCSR05	0	0	Target Property
CERCLIS LIENS	SFLIENS	0	0	Target Property
SECTION SEVEN TRACKING SYSTEM	SSTS	0	0	Target Property
TOXICS RELEASE INVENTORY	TRI	0	0	Target Property
TOXIC SUBSTANCE CONTROL ACT INVENTORY	TSCA	0	0	Target Property
NO LONGER REGULATED RCRA GENERATOR FACILITIES	NLRRCRAG	0	0	Target Property and Adjoining
RESOURCE CONSERVATION & RECOVERY ACT - GENERATOR FACILITIES	RCRAGR05	3	0	Target Property and Adjoining
BROWNFIELDS MANAGEMENT SYSTEM	BF	0	0	0.5000
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION & LIABILITY INFORMATION SYSTEM	CERCLIS	0	0	0.5000
LAND USE CONTROL INFORMATION SYSTEM	LUCIS	0	0	0.5000
NO FURTHER REMEDIAL ACTION PLANNED SITES	NFRAP	0	0	0.5000



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DATABASE FINDINGS SUMMARY

DATABASE	ACRONYM	LOCA- TABLE	UNLOCA- TABLE	SEARCH RADIUS (miles)
NO LONGER REGULATED RCRA NON-CORRACTS TSD FACILITIES	NLRRCRAT	0	0	0.5000
OPEN DUMP INVENTORY	ODI	0	0	0.5000
RESOURCE CONSERVATION & RECOVERY ACT - TREATMENT, STORAGE & DISPOSAL FACILITIES	RCRAT	0	0	0.5000
DELISTED NATIONAL PRIORITIES LIST	DNPL	0	0	1.0000
DEPARTMENT OF DEFENSE SITES	DOD	0	0	1.0000
FORMERLY USED DEFENSE SITES	FUDS	0	0	1.0000
NO LONGER REGULATED RCRA CORRECTIVE ACTION FACILITIES	NLRRCRAC	0	0	1.0000
NATIONAL PRIORITIES LIST	NPL	0	0	1.0000
PROPOSED NATIONAL PRIORITIES LIST	PNPL	0	0	1.0000
RESOURCE CONSERVATION & RECOVERY ACT - CORRECTIVE ACTION FACILITIES	RCRAC	0	0	1.0000
RECORD OF DECISION SYSTEM	RODS	0	0	1.0000
SUB-TOTAL		4	0	

STATE (IL)

PERMITTED AIR FACILITIES	AIRS	0	0	Target Property
CLANDESTINE DRUG LABORATORIES	CDL	0	0	Target Property
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM FACILITIES	NPDES	0	0	Target Property
SITES WITH CONTROLS	SC	0	0	Target Property
SPILLS LISTING	SPILLS	1	0	Target Property
LICENSED DRYCLEANERS	CLEANERS	0	0	0.2500
COMPOST FACILITIES	COMPOST	0	0	0.2500
POTENTIALLY INFECTIOUS MEDICAL WASTE FACILITIES	MEDWASTE	0	0	0.2500
TRANSFER FACILITIES	TRANSFER	0	0	0.2500
UNDERGROUND STORAGE TANK DATABASE	UST	3	0	0.2500
CONSTRUCTION DEMOLITION DEBRIS LANDFILLS	CDDLDF	0	0	0.5000



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DATABASE FINDINGS SUMMARY

DATABASE	ACRONYM	LOCA- TABLE	UNLOCA- TABLE	SEARCH RADIUS (miles)
ACTIVE LANDFILLS	LANDFILLS	0	0	0.5000
LEAKING UNDERGROUND STORAGE TANK INCIDENT TRACKING DATABASE	LUST	8	0	0.5000
UNDERGROUND STORAGE TANK FUND PAYMENT PRIORITY LIST	LUSTFUND	1	0	0.5000
REDEVELOPMENT ASSESSMENT DATABASE	RAD	0	0	0.5000
SITE REMEDIATION PROGRAM DATABASE	SRP	0	0	0.5000
SUB-TOTAL		13	0	
TRIBAL				
UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	USTR05	0	0	0.2500
LEAKING UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	LUSTR05	0	0	0.5000
OPEN DUMP INVENTORY ON TRIBAL LANDS	ODINDIAN	0	0	0.5000
INDIAN RESERVATIONS	INDIANRES	0	0	1.0000
SUB-TOTAL		0	0	

TOTAL	17	0
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LOCATABLE DATABASE FINDINGS

ACRONYM	Target Property	SEARCH RADIUS (miles)	1/8 Mile (> TP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
FEDERAL								
AIRSAFS		.0200	0	0	0	0	NS	0
BRS		.0200	0	0	0	0	NS	0
CDL		.0200	0	0	0	0	NS	0
DOCKETS		.0200	0	0	0	0	NS	0
EC		.0200	0	0	0	0	NS	0
ERNSIL		.0200	0	0	0	0	NS	0
FRSIL	1	.0200	0	0	0	0	NS	1
HMIRSR05		.0200	0	0	0	0	NS	0
ICIS		.0200	0	0	0	0	NS	0
ICISNPDES		.0200	0	0	0	0	NS	0
MLTS		.0200	0	0	0	0	NS	0
NPDESR05		.0200	0	0	0	0	NS	0
PADS		.0200	0	0	0	0	NS	0
PCSR05		.0200	0	0	0	0	NS	0
SFLIENS		.0200	0	0	0	0	NS	0
SSTS		.0200	0	0	0	0	NS	0
TRI		.0200	0	0	0	0	NS	0
TSCA		.0200	0	0	0	0	NS	0
NLRRCRAG		.1250	0	0	0	0	NS	0
RCRAGR05		.1250	3	0	0	0	NS	3
BF		.5000	0	0	0	0	NS	0
CERCLIS		.5000	0	0	0	0	NS	0
LUCIS		.5000	0	0	0	0	NS	0
NFRAP		.5000	0	0	0	0	NS	0
NLRRCRAT		.5000	0	0	0	0	NS	0
ODI		.5000	0	0	0	0	NS	0
RCRAT		.5000	0	0	0	0	NS	0



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LOCATABLE DATABASE FINDINGS

ACRONYM	Target Property	SEARCH RADIUS (miles)	1/8 Mile (> TP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
DNPL		1.000	0	0	0	0	NS	0
DOD		1.000	0	0	0	0	NS	0
FUDS		1.000	0	0	0	0	NS	0
NLRRCRAC		1.000	0	0	0	0	NS	0
NPL		1.000	0	0	0	0	NS	0
PNPL		1.000	0	0	0	0	NS	0
RCRAC		1.000	0	0	0	0	NS	0
RODS		1.000	0	0	0	0	NS	0
SUB-TOTAL	1		3	0	0	0	0	4

STATE (IL)

AIRS		.0200	0	0	0	0	NS	0
CDL		.0200	0	0	0	0	NS	0
NPDES		.0200	0	0	0	0	NS	0
SC		.0200	0	0	0	0	NS	0
SPILLS	1	.0200	0	0	0	0	NS	1
CLEANERS		.2500	0	0	0	0	NS	0
COMPOST		.2500	0	0	0	0	NS	0
MEDWASTE		.2500	0	0	0	0	NS	0
TRANSFER		.2500	0	0	0	0	NS	0
UST		.2500	3	0	0	0	NS	3
CDDL		.5000	0	0	0	0	NS	0
LANDFILLS		.5000	0	0	0	0	NS	0
LUST		.5000	7	0	1	0	NS	8
LUSTFUND		.5000	1	0	0	0	NS	1
RAD		.5000	0	0	0	0	NS	0
SRP		.5000	0	0	0	0	NS	0



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LOCATABLE DATABASE FINDINGS

ACRONYM	Target Property	SEARCH RADIUS (miles)	1/8 Mile (> TP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
SUB-TOTAL	1		11	0	1	0	0	13
TRIBAL								
USTR05		.2500	0	0	0	0	NS	0
LUSTR05		.5000	0	0	0	0	NS	0
ODINDIAN		.5000	0	0	0	0	NS	0
INDIANRES		1.000	0	0	0	0	NS	0
SUB-TOTAL			0	0	0	0	0	0

TOTAL	2		14	0	1	0	0	17
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NOTES:



NS = NO SEARCH REQUESTED BY CUSTOMER



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RADIUS MAP



 Target Property (TP)
 LUST

Park Forest Site
379-381 Blackhawk Drive
Park Forest, Illinois
60466

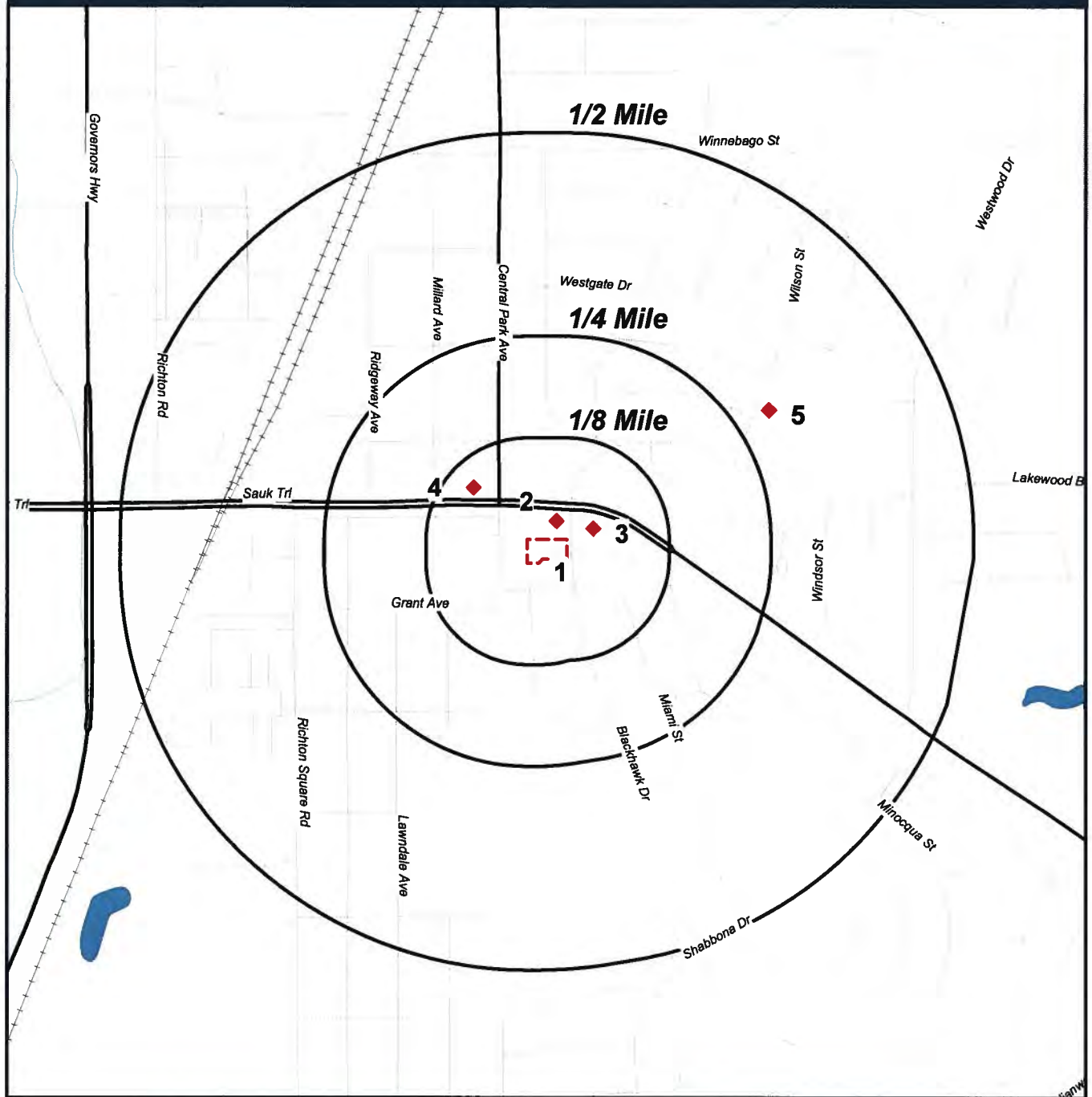


0' 1000' 2000' 3000'
 SCALE: 1" = 2000'

GeoSearch

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RADIUS MAP



- Target Property (TP)
- ◆ LUST

Park Forest Site
379-381 Blackhawk Drive
Park Forest, Illinois
60466

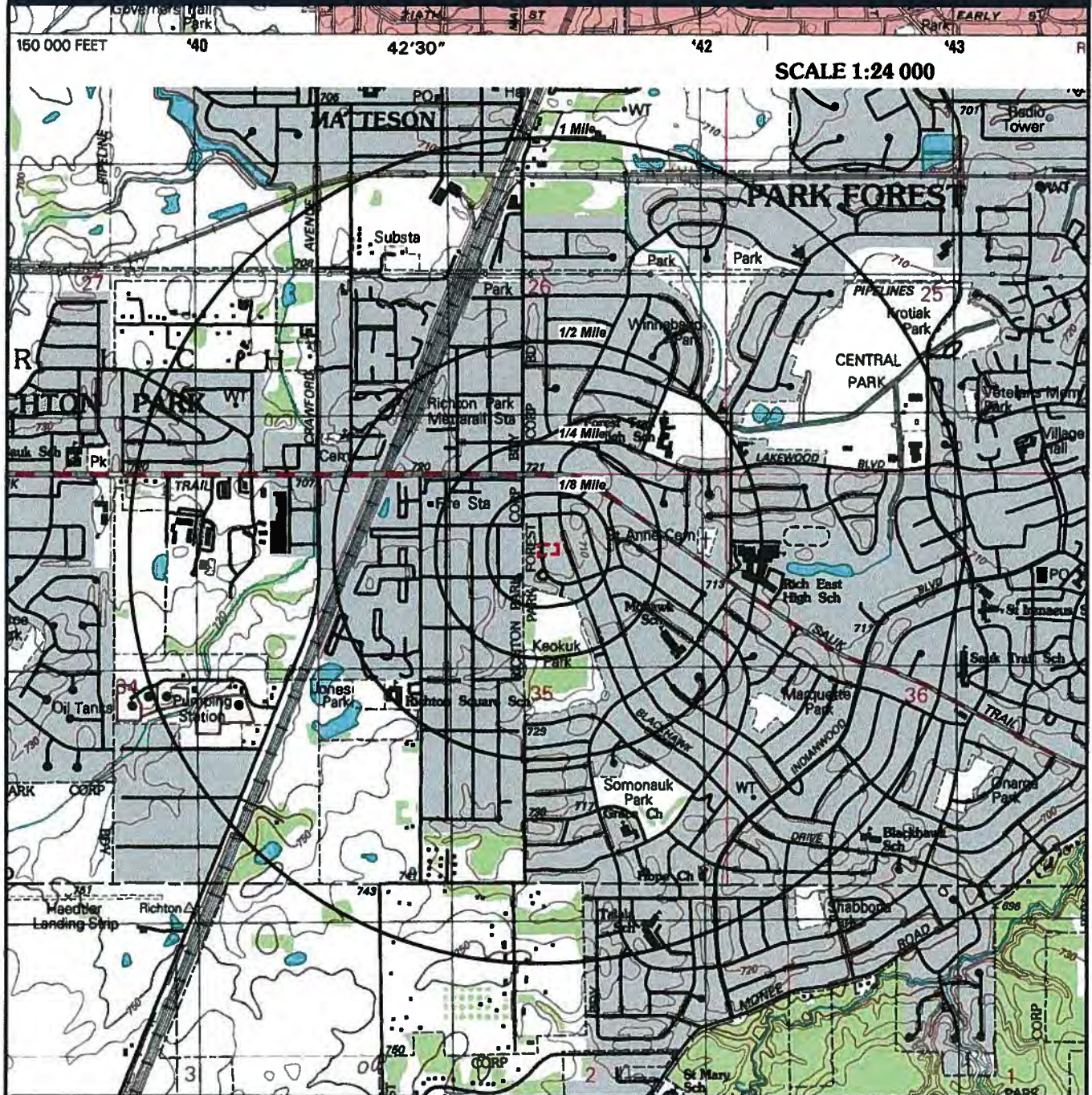


0' 500' 1000' 1500'
 SCALE: 1" = 1000'

GeoSearch

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TOPOGRAPHIC MAP



 Target Property (TP)

Quadrangle(s): Steger
Source: USGS, 2002
Park Forest Site
379-381 Blackhawk Drive
Park Forest, Illinois
60466



0' 1000' 2000' 3000'
 SCALE: 1" = 2000'

GeoSearch

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REPORT SUMMARY OF LOCATABLE SITES

MAP ID#	DATABASE NAME	SITE ID#	DISTANCE FROM SITE	SITE NAME	ADDRESS	CITY, ZIP CODE	PAGE #
1	FRSIL	110018143338	TP	LUBE RENEW	381 BLACKHAWK	PARK FOREST, 60466	1
1	SPILLS	H-2008-0749	TP		381 BLACKHAWK DR.	PARK FOREST	2
2	LUST	903025	0.030 N	EMRO MARKETING	401 SAUK TRAIL	PARK FOREST, 60466	3
2	LUST	910525	0.030 N	EMRO MARKETING	401 SAUK TRAIL	PARK FOREST, 60466	4
2	LUST	952436	0.030 N	EMRO MARKETING	401 SAUK TRAIL	PARK FOREST, 60466	5
2	LUSTFUND	910525	0.030 N	EMRO MARKETING	401 SAUK TRAIL	PARK FOREST, 60466	6
2	UST	2014587	0.030 N	SPEEDWAY #7580	401 SAUK TRAIL & BLACK HAWK	PARK FOREST, 60466	7
2	RCRAGR05	ILD984782060	0.030 N	SPEEDWAY 7580	401 SAUK TRAIL	PARK FOREST, 60466	11
2	LUST	892538	0.030 N	EMRO MARKETING	401 SAUK TRAIL	PARK FOREST, 60466	12
3	UST	2010523	0.040 NE	PARK FOREST MARATHON	385 SAUK TRAIL	PARK FOREST, 60466	13
3	RCRAGR05	ILD984822932	0.040 NE	PARK FOREST MARATHON	385 SAUK TRAIL	PARK FOREST, 60466	15
3	LUST	950011	0.040 NE	PARK FOREST MARATHON	385 SAUK TRAIL	PARK FOREST, 60466	16
4	LUST	910356	0.100 NW	O'BRIENS SERVICE	3600 SAUK TRAIL	RICHTON PARK, 60471	17
4	UST	2011567	0.100 NW	RICHTON PARK CITGO, INC.	3600 SAUK TRAIL	RICHTON PARK, 60471	18
4	RCRAGR05	ILD984825950	0.100 NW	OBRIEN J SVC	3600 W SAUK TRAIL	RICHTON PARK, 60471	21
4	LUST	860307B	0.100 NW	MOBIL OIL CORP.	3600 WEST SAUK TRAIL	RICHTON PARK, 60471	22
5	LUST	931626	0.300 NE	PARK FOREST DIST. #163	215 WILSON	PARK FOREST, 60466	23

FACILITY REGISTRY SYSTEM (FRSIL)

MAP ID# 1

Distance from Property: 0.00 mi. X

FACILITY INFORMATION

REGISTRY ID: 110018143338

NAME: LUBE RENEW

LOCATION ADDRESS: 381 BLACKHAWK

PARK FOREST , IL 60466

COUNTY: COOK

EPA REGION: 05

FEDERAL FACILITY: NO DATA PROVIDED

TRIBAL LAND: NO DATA PROVIDED

ALTERNATIVE NAME/S:

LUBE RENEW

PROGRAM/S LISTED FOR THIS FACILITY

ACES - AGENCY COMPLIANCE AND ENFORCEMENT SYSTEMS

STANDARD INDUSTRIAL CLASSIFICATION/S (SIC)

NO SIC DATA REPORTED

NORTH AMERICAN INDUSTRY CLASSIFICATION/S (NAICS)

NO NAICS DATA REPORTED



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SPILLS LISTING (SPILLS)

MAP ID# 1

Distance from Property: 0.00 mi. X

SITE INFORMATION

INCIDENT NUMBER: H-2008-0749

ADDRESS: 381 BLACKHAWK DR.
PARK FOREST, IL

DATE OCCURED: NOT REPORTED

DISCOVERED DATE: 1/4/2008 12:52

STATUS: CLOSED

CALLER NAME: CPT. MICHAEL WHEELER

CALLER PHONE: 708/946-4832

AGENCY REPRESENTED: PARK FOREST FIRE

RESPONSIBLE PARTY

NAME: Peotone Bank and Trust

ADDRESS: 200 W. CORNING AVE. PEOTONE, IL 60468-8982

CONTACT: NOT REPORTED

PHONE: 708/748-5605

SITE DETAILS

INCIDENT TYPE: LEAK OR SPILL

INCIDENT AREA INVOLVED: FIXED FACILITY

MATERIAL NAME: UNKNOWN

MATERIAL TYPE: LIQUID

CONTAINER TYPE: UNKNOWN

CONTAINER SIZE: UNKNOWN

AMOUNT RELEASED: UNKNOWN

CAUSE OF RELEASE: UNKNOWN

ESTIMATED SPILL EXTENT: UNKNOWN

IS THIS AN EXTREMELY HAZARDOUS SUBSTANCE: UNKNOWN

IS THIS A HAZARDOUS WASTE: UNKNOWN

IS THIS RCRA REGULATED FACILITY: UNKNOWN

IS THIS RCRA REGULATED FACILITY: UNKNOWN

CONTAINMENT CLEANUP ACTIONS AND PLANS:

UNDER INVESTIGATION

NARRATIVE:

#####

LEAKING UNDERGROUND STORAGE TANK INCIDENT TRACKING DATABASE (LUST)

MAP ID# 2

Distance from Property: 0.03 mi. N

SITE INFORMATION

IEMA ID: 903025 LPC #: 0314745017 IEMA DATE: 10/16/1990
SITE NAME: EMRO MARKETING
ADDRESS: 401 SAUK TRAIL
 PARK FOREST, IL 60466
COUNTY: COOK
REGULATED BY: 731
PRODUCTS: GASOLINE
20 DAY REPORT: NOT REPORTED 45 DAY REPORT: NOT REPORTED
NO FURTHER REMEDIATION DATE: NOT REPORTED NFR RECORD: NOT REPORTED
PROJECT MANAGER: JONES
PHONE: (217) 524-1253 EMAIL: STEVE.JONES@ILLINOIS.GOV

TANK OPERATOR

TANK OWNER/OPERATOR: EMRO MARKETING
ADDRESS: P.O. BOX 162
 EAST HAZEL CREST, IL 60429-0162
CONTACT: R.G. SCHUMANN
PHONE: NOT REPORTED

TIERED APPROACH TO CORRECTIVES ACTION OBJECTIVE INFORMATION

BARRIERS

BUILDINGS/STRUCTURE: NO
PAVEMENT: NO
SOIL: NO
OTHER: NO

INSTITUTIONAL CONTROLS

GROUNDWATER USE RESTRICTION: NO
ORDINANCE: NO
IND./COM. LAND USE RESTRICTION: NO
WORKER CAUTION: NO
OTHER: NO

ENVIRONMENTAL LAND USE CONTROL

GROUNDWATER USE RESTRICTION: NO
IND./COM. LAND USE RESTRICTION: NO
ENGINEER BARRIER: NO
WORKER CAUTION: NO
SOIL HANDLING: NO
OTHER: NO

HIGHWAY AUTHORITY AGREEMENTS

HIGHWAY AUTHORITY: NO HIGHWAY AUTHORITY MEMO: NO

LEAKING UNDERGROUND STORAGE TANK INCIDENT TRACKING DATABASE (LUST)

MAP ID# 2 Distance from Property: 0.03 mi. N

SITE INFORMATION

IEMA ID: 910525 LPC #: 0314745017 IEMA DATE: 2/28/1991
SITE NAME: EMRO MARKETING
ADDRESS: 401 SAUK TRAIL
PARK FOREST, IL 60466
COUNTY: COOK
REGULATED BY: 731
PRODUCTS: UNLEADED GAS
20 DAY REPORT: 3/14/1991 45 DAY REPORT: 10/17/1991
NO FURTHER REMEDIATION DATE: NOT REPORTED NFR RECORD: NOT REPORTED
PROJECT MANAGER: JONES
PHONE: (217) 524-1253 EMAIL: STEVE.JONES@ILLINOIS.GOV

TANK OPERATOR

TANK OWNER/OPERATOR: EMRO MARKETING
ADDRESS: P.O. BOX 162
EAST HAZEL CREST, IL 60429-0162
CONTACT: R.G. SCHUMANN
PHONE: NOT REPORTED

TIERED APPROACH TO CORRECTIVES ACTION OBJECTIVE INFORMATION

BARRIERS

BUILDINGS/STRUCTURE: NO
PAVEMENT: NO
SOIL: NO
OTHER: NO

INSTITUTIONAL CONTROLS

GROUNDWATER USE RESTRICTION: NO
ORDINANCE: NO
IND./COM. LAND USE RESTRICTION: NO
WORKER CAUTION: NO
OTHER: NO

ENVIRONMENTAL LAND USE CONTROL

GROUNDWATER USE RESTRICTION: NO
IND./COM. LAND USE RESTRICTION: NO
ENGINEER BARRIER: NO
WORKER CAUTION: NO
SOIL HANDLING: NO
OTHER: NO

HIGHWAY AUTHORITY AGREEMENTS

HIGHWAY AUTHORITY: NO HIGHWAY AUTHORITY MEMO: NO

LEAKING UNDERGROUND STORAGE TANK INCIDENT TRACKING DATABASE (LUST)

MAP ID# 2 Distance from Property: 0.03 mi. N

SITE INFORMATION

IEMA ID: 952436 LPC #: 0314745017 IEMA DATE: 12/1/1995
SITE NAME: EMRO MARKETING
ADDRESS: 401 SAUK TRAIL
PARK FOREST, IL 60466
COUNTY: COOK
REGULATED BY: 731
PRODUCTS: GASOLINE
20 DAY REPORT: NOT REPORTED 45 DAY REPORT: 12/26/1995
NO FURTHER REMEDIATION DATE: NOT REPORTED NFR RECORD: NOT REPORTED
PROJECT MANAGER: JONES
PHONE: (217) 524-1253 EMAIL: STEVE.JONES@ILLINOIS.GOV

TANK OPERATOR

TANK OWNER/OPERATOR: EMRO MARKETING
ADDRESS: P.O. BOX 162
EAST HAZEL CREST, IL 60429-0162
CONTACT: R.G. SCHUMANN
PHONE: NOT REPORTED

TIERED APPROACH TO CORRECTIVES ACTION OBJECTIVE INFORMATION

BARRIERS

BUILDINGS/STRUCTURE: NO
PAVEMENT: NO
SOIL: NO
OTHER: NO

INSTITUTIONAL CONTROLS

GROUNDWATER USE RESTRICTION: NO
ORDINANCE: NO
IND./COM. LAND USE RESTRICTION: NO
WORKER CAUTION: NO
OTHER: NO

ENVIRONMENTAL LAND USE CONTROL

GROUNDWATER USE RESTRICTION: NO
IND./COM. LAND USE RESTRICTION: NO
ENGINEER BARRIER: NO
WORKER CAUTION: NO
SOIL HANDLING: NO
OTHER: NO

HIGHWAY AUTHORITY AGREEMENTS

HIGHWAY AUTHORITY: NO HIGHWAY AUTHORITY MEMO: NO

UNDERGROUND STORAGE TANK FUND PAYMENT PRIORITY LIST (LUSTFUND)

MAP ID# 2 Distance from Property: 0.03 mi. N

SITE INFORMATION

IEMA ID: 910525 LPC #: 0314745017 IEMA DATE: 2/28/1991
SITE NAME: Emro Marketing
ADDRESS: 401 SAUK TRAIL
PARK FOREST, IL 60466
COUNTY: COOK
REGULATED BY: 731
PRODUCTS: UNLEADED GAS
20 DAY REPORT: 3/14/1991 45 DAY REPORT: 10/17/1991
NO FURTHER REMEDIATION DATE: NOT REPORTED NFR RECORD: NOT REPORTED
PROJECT MANAGER: JONES
PHONE: (217) 524-1253 EMAIL: STEVE.JONES@ILLINOIS.GOV

TANK OPERATOR

TANK OWNER/OPERATOR: EMRO MARKETING
ADDRESS: P.O. BOX 162
EAST HAZEL CREST, IL 60429-0162
CONTACT: R.G. SCHUMANN
PHONE: NOT REPORTED

CLAIM DETAILS

INCIDENT CLAIM: 910525-57644
APPROVED DATE: 02/23/10
PAY AMOUNT: 14480.3
RUN TOTAL: 25296592.76
PAY ASSIGNEE: NOT REPORTED

UNDERGROUND STORAGE TANK DATABASE (UST)

MAP ID# 2

Distance from Property: 0.03 mi. N

FACILITY INFORMATION

FACID#: 2014587
NAME: SPEEDWAY #7580
ADDRESS: 401 SAUK TRAIL & BLACK HAWK
PARK FOREST, IL 60466
FACILITY TYPE: SELF-SERVICE STATION

STORAGE TANK INFORMATION

TANK #: 7
TANK STATUS: CURRENTLY IN USE
TANK CAPACITY: 10000 GALS.
PRODUCT: GASOLINE
DATE INSTALLED: 9/20/1992
LAST DATE USED: NOT REPORTED
RED TAG ISSUE DATE: NOT REPORTED
OSFM DATE: 2/9/1993
GREEN TAG DECAL: K001310
GREEN TAG ISSUE DATE: 6/23/2009
GREEN TAG EXPIRATION DATE: 12/31/2011
SELF SERVICE PERMIT INSPECTION DATE: 6/23/2009
SELF SERVICE PERMIT EXPIRATION DATE: 12/31/2011
FEE DUE: \$0.00

TANK #: 8
TANK STATUS: CURRENTLY IN USE
TANK CAPACITY: 10000 GALS.
PRODUCT: GASOLINE
DATE INSTALLED: 9/20/1992
LAST DATE USED: NOT REPORTED
RED TAG ISSUE DATE: NOT REPORTED
OSFM DATE: 2/9/1993
GREEN TAG DECAL: K001310
GREEN TAG ISSUE DATE: 6/23/2009
GREEN TAG EXPIRATION DATE: 12/31/2011
SELF SERVICE PERMIT INSPECTION DATE: 6/23/2009
SELF SERVICE PERMIT EXPIRATION DATE: 12/31/2011
FEE DUE: \$0.00

OWNER INFORMATION

OWNER ID#: U0026552
NAME: SPEEDWAY SUPERAMERICA, LLC
ADDRESS: P.O. BOX 1500
SPRINGFIELD, OH 455011500



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UNDERGROUND STORAGE TANK DATABASE (UST)

TANK #: 9

TANK STATUS: CURRENTLY IN USE

TANK CAPACITY: 10000 GALS.

PRODUCT: GASOLINE

DATE INSTALLED: 9/20/1992

LAST DATE USED: NOT REPORTED

RED TAG ISSUE DATE: NOT REPORTED

OSFM DATE: 2/9/1993

GREEN TAG DECAL: K001310

GREEN TAG ISSUE DATE: 6/23/2009

GREEN TAG EXPIRATION DATE: 12/31/2011

SELF SERVICE PERMIT INSPECTION DATE: 6/23/2009

SELF SERVICE PERMIT EXPIRATION DATE: 12/31/2011

FEE DUE: \$0.00

TANK #: 10

TANK STATUS: REMOVED

TANK CAPACITY: 10000 GALS.

PRODUCT: GASOLINE

DATE INSTALLED: NOT REPORTED

LAST DATE USED: 9/1/1992

RED TAG ISSUE DATE: NOT REPORTED

OSFM DATE: 4/18/1986

GREEN TAG DECAL: K001310

GREEN TAG ISSUE DATE: 6/23/2009

GREEN TAG EXPIRATION DATE: 12/31/2011

SELF SERVICE PERMIT INSPECTION DATE: 6/23/2009

SELF SERVICE PERMIT EXPIRATION DATE: 12/31/2011

FEE DUE: \$0.00

TANK #: 11

TANK STATUS: REMOVED

TANK CAPACITY: 10000 GALS.

PRODUCT: GASOLINE

DATE INSTALLED: NOT REPORTED

LAST DATE USED: 9/1/1992

RED TAG ISSUE DATE: NOT REPORTED

OSFM DATE: 4/18/1986

GREEN TAG DECAL: K001310

GREEN TAG ISSUE DATE: 6/23/2009

GREEN TAG EXPIRATION DATE: 12/31/2011

SELF SERVICE PERMIT INSPECTION DATE: 6/23/2009

SELF SERVICE PERMIT EXPIRATION DATE: 12/31/2011

FEE DUE: \$0.00



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UNDERGROUND STORAGE TANK DATABASE (UST)

TANK #: 12

TANK STATUS: REMOVED

TANK CAPACITY: 10000 GALS.

PRODUCT: GASOLINE

DATE INSTALLED: NOT REPORTED

LAST DATE USED: 9/1/1992

RED TAG ISSUE DATE: NOT REPORTED

OSFM DATE: 4/18/1986

GREEN TAG DECAL: K001310

GREEN TAG ISSUE DATE: 6/23/2009

GREEN TAG EXPIRATION DATE: 12/31/2011

SELF SERVICE PERMIT INSPECTION DATE: 6/23/2009

SELF SERVICE PERMIT EXPIRATION DATE: 12/31/2011

FEE DUE: \$0.00

TANK #: 13

TANK STATUS: REMOVED

TANK CAPACITY: 6000 GALS.

PRODUCT: GASOLINE

DATE INSTALLED: NOT REPORTED

LAST DATE USED: 9/1/1992

RED TAG ISSUE DATE: NOT REPORTED

OSFM DATE: 4/18/1986

GREEN TAG DECAL: K001310

GREEN TAG ISSUE DATE: 6/23/2009

GREEN TAG EXPIRATION DATE: 12/31/2011

SELF SERVICE PERMIT INSPECTION DATE: 6/23/2009

SELF SERVICE PERMIT EXPIRATION DATE: 12/31/2011

FEE DUE: \$0.00

TANK #: 14

TANK STATUS: REMOVED

TANK CAPACITY: 6000 GALS.

PRODUCT: DIESEL FUEL

DATE INSTALLED: NOT REPORTED

LAST DATE USED: 9/1/1992

RED TAG ISSUE DATE: NOT REPORTED

OSFM DATE: 4/18/1986

GREEN TAG DECAL: K001310

GREEN TAG ISSUE DATE: 6/23/2009

GREEN TAG EXPIRATION DATE: 12/31/2011

SELF SERVICE PERMIT INSPECTION DATE: 6/23/2009

SELF SERVICE PERMIT EXPIRATION DATE: 12/31/2011

FEE DUE: \$0.00



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UNDERGROUND STORAGE TANK DATABASE (UST)

TANK #: 15

TANK STATUS: EXEMPT FROM REGISTRATION

TANK CAPACITY: 550 GALS.

PRODUCT: NOT REPORTED

DATE INSTALLED: NOT REPORTED

LAST DATE USED: 1/1/1974

RED TAG ISSUE DATE: NOT REPORTED

OSFM DATE: 4/18/1986

GREEN TAG DECAL: K001310

GREEN TAG ISSUE DATE: 6/23/2009

GREEN TAG EXPIRATION DATE: 12/31/2011

SELF SERVICE PERMIT INSPECTION DATE: 6/23/2009

SELF SERVICE PERMIT EXPIRATION DATE: 12/31/2011

FEE DUE: NOT REPORTED



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RESOURCE CONSERVATION & RECOVERY ACT - GENERATOR FACILITIES (RCRAGR05)

MAP ID# 2

Distance from Property: 0.03 mi. N

FACILITY INFORMATION

EPA ID#: ILD984782060

NAME: SPEEDWAY 7580

ADDRESS: 401 SAUK TRAIL

PARK FOREST, IL 60466

CONTACT NAME: CHARLES A BESSE

CONTACT ADDRESS: PO BOX 1500

SPRINGFIELD, OH 45501

CONTACT PHONE: 9378636272

NON-NOTIFIER: NOT A NON-NOTIFIER

INDUSTRY CLASSIFICATION (NAICS)

44711 - GASOLINE STATIONS WITH CONVENIENCE STORES

ACTIVITY INFORMATION

GENERATOR STATUS: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR

SUBJECT TO CORRECTIVE ACTION UNIVERSE: NO

TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: NO

TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: NO

NON TDSFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: NO

CORRECTIVE ACTION WORKLOAD UNIVERSE: NO

IMPORTER: NO

UNDERGROUND INJECTION: NO

MIXED WASTE GENERATOR: NO

UNIVERSAL WASTE DESTINATION FACILITY: NO

RECYCLER: NO

TRANSFER FACILITY: NOT REPORTED

TRANSPORTER: NO

USED OIL FUEL BURNER: NO

ONSITE BURNER EXEMPTION: NO

USED OIL PROCESSOR: NO

FURNACE EXEMPTION: NO

USED OIL FUEL MARKETER TO BURNER: NO

USED OIL REFINER: NO

SPECIFICATION USED OIL MARKETER: NO

USED OIL TRANSFER FACILITY: NO

USED OIL TRANSPORTER: NO

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS - NO EVALUATIONS REPORTED -

VIOLATIONS - NO VIOLATIONS REPORTED -

ENFORCEMENTS - NO ENFORCEMENTS REPORTED -

HAZARDOUS WASTE

D001 IGNITABLE WASTE

D018 BENZENE

LEAKING UNDERGROUND STORAGE TANK INCIDENT TRACKING DATABASE (LUST)

MAP ID# 2 Distance from Property: 0.03 mi. N

SITE INFORMATION

IEMA ID: 892538 LPC #: 0314745017 IEMA DATE: 12/6/1989
SITE NAME: EMRO MARKETING
ADDRESS: 401 SAUK TRAIL
PARK FOREST, IL 60466
COUNTY: COOK
REGULATED BY: 731
PRODUCTS: GASOLINE
20 DAY REPORT: NOT REPORTED 45 DAY REPORT: NOT REPORTED
NO FURTHER REMEDIATION DATE: NOT REPORTED NFR RECORD: NOT REPORTED
PROJECT MANAGER: JONES
PHONE: (217) 524-1253 EMAIL: STEVE.JONES@ILLINOIS.GOV

TANK OPERATOR

TANK OWNER/OPERATOR: EMRO MARKETING
ADDRESS: P.O. BOX 162
EAST HAZEL CREST, IL 60429-0162
CONTACT: R.G. SCHUMANN
PHONE: NOT REPORTED

TIERED APPROACH TO CORRECTIVES ACTION OBJECTIVE INFORMATION

BARRIERS

BUILDINGS/STRUCTURE: NO
PAVEMENT: NO
SOIL: NO
OTHER: NO

INSTITUTIONAL CONTROLS

GROUNDWATER USE RESTRICTION: NO
ORDINANCE: NO
IND./COM. LAND USE RESTRICTION: NO
WORKER CAUTION: NO
OTHER: NO

ENVIRONMENTAL LAND USE CONTROL

GROUNDWATER USE RESTRICTION: NO
IND./COM. LAND USE RESTRICTION: NO
ENGINEER BARRIER: NO
WORKER CAUTION: NO
SOIL HANDLING: NO
OTHER: NO

HIGHWAY AUTHORITY AGREEMENTS

HIGHWAY AUTHORITY: NO HIGHWAY AUTHORITY MEMO: NO

UNDERGROUND STORAGE TANK DATABASE (UST)

MAP ID# 3 Distance from Property: 0.04 mi. NE

FACILITY INFORMATION

FACID#: 2010523
NAME: PARK FOREST MARATHON
ADDRESS: 385 SAUK TRAIL
PARK FOREST, IL 60466
FACILITY TYPE: SELF-SERVICE STATION

STORAGE TANK INFORMATION

TANK #: 1
TANK STATUS: CURRENTLY IN USE
TANK CAPACITY: 10000 GALS.
PRODUCT: GASOLINE
DATE INSTALLED: 1/3/1979
LAST DATE USED: NOT REPORTED
RED TAG ISSUE DATE: NOT REPORTED
OSFM DATE: 5/5/1986
GREEN TAG DECAL: L001309
GREEN TAG ISSUE DATE: 6/18/2010
GREEN TAG EXPIRATION DATE: 12/31/2012
SELF SERVICE PERMIT INSPECTION DATE: 6/18/2010
SELF SERVICE PERMIT EXPIRATION DATE: 12/31/2012
FEE DUE: \$0.00

TANK #: 2
TANK STATUS: ABANDONED IN PLACE
TANK CAPACITY: 10000 GALS.
PRODUCT: GASOLINE
DATE INSTALLED: 1/3/1979
LAST DATE USED: NOT REPORTED
RED TAG ISSUE DATE: NOT REPORTED
OSFM DATE: 5/5/1986
GREEN TAG DECAL: L001309
GREEN TAG ISSUE DATE: 6/18/2010
GREEN TAG EXPIRATION DATE: 12/31/2012
SELF SERVICE PERMIT INSPECTION DATE: 6/18/2010
SELF SERVICE PERMIT EXPIRATION DATE: 12/31/2012
FEE DUE: \$0.00

OWNER INFORMATION

OWNER ID#: U0033438
NAME: MAHARISHI PETROLEUM, INC.
ADDRESS: 3219 TALL GRASS DRIVE
NAPERVILLE, IL 60564



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UNDERGROUND STORAGE TANK DATABASE (UST)

TANK #: 3
TANK STATUS: CURRENTLY IN USE
TANK CAPACITY: 10000 GALS.
PRODUCT: GASOLINE
DATE INSTALLED: 1/3/1979
LAST DATE USED: NOT REPORTED
RED TAG ISSUE DATE: NOT REPORTED
OSFM DATE: 5/5/1986
GREEN TAG DECAL: L001309
GREEN TAG ISSUE DATE: 6/18/2010
GREEN TAG EXPIRATION DATE: 12/31/2012
SELF SERVICE PERMIT INSPECTION DATE: 6/18/2010
SELF SERVICE PERMIT EXPIRATION DATE: 12/31/2012
FEE DUE: \$0.00



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RESOURCE CONSERVATION & RECOVERY ACT - GENERATOR FACILITIES (RCRAGR05)

MAP ID# 3 Distance from Property: 0.04 mi. NE

FACILITY INFORMATION

EPA ID#: ILD984822932

NAME: PARK FOREST MARATHON

ADDRESS: 385 SAUK TRAIL

PARK FOREST, IL 60466

CONTACT NAME: MANOJ MAHAPATRA

CONTACT ADDRESS: 3219 TALLGRASS DR

NAPERVILLE, IL 60564

CONTACT PHONE: 6302124046

NON-NOTIFIER: NOT A NON-NOTIFIER

INDUSTRY CLASSIFICATION (NAICS) - NO NAICS INFORMATION REPORTED

OWNER TYPE: PRIVATE

OWNER NAME: MAHARISHI PETROLEUM INC

OPERATOR TYPE: NOT REPORTED

OPERATOR NAME: NOT REPORTED

ACTIVITY INFORMATION

GENERATOR STATUS: SMALL QUANTITY GENERATOR

SUBJECT TO CORRECTIVE ACTION UNIVERSE: NO

TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: NO

TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: NO

NON TDSFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: NO

CORRECTIVE ACTION WORKLOAD UNIVERSE: NO

IMPORTER: NO

UNDERGROUND INJECTION: NO

MIXED WASTE GENERATOR: NO

UNIVERSAL WASTE DESTINATION FACILITY: NO

RECYCLER: NO

TRANSFER FACILITY: NO

TRANSPORTER: NO

USED OIL FUEL BURNER: NO

ONSITE BURNER EXEMPTION: NO

USED OIL PROCESSOR: NO

FURNACE EXEMPTION: NO

USED OIL FUEL MARKETER TO BURNER: NO

USED OIL REFINER: NO

SPECIFICATION USED OIL MARKETER: NO

USED OIL TRANSFER FACILITY: NO

USED OIL TRANSPORTER: NO

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS

2003/01/13 FCI FOCUSED COMPLIANCE INSPECTION

VIOLATIONS - NO VIOLATIONS REPORTED -

ENFORCEMENTS - NO ENFORCEMENTS REPORTED -

HAZARDOUS WASTE

D001 IGNITABLE WASTE

LEAKING UNDERGROUND STORAGE TANK INCIDENT TRACKING DATABASE (LUST)

MAP ID# 3 Distance from Property: 0.04 mi. NE

SITE INFORMATION

IEMA ID: 950011 LPC #: 0314745020 IEMA DATE: 1/3/1995
SITE NAME: PARK FOREST MARATHON
ADDRESS: 385 SAUK TRAIL
PARK FOREST, IL 60466
COUNTY: COOK
REGULATED BY: P.A.
PRODUCTS: UNLEADED GAS
20 DAY REPORT: 2/2/1995 45 DAY REPORT: 8/21/1995
NO FURTHER REMEDIATION DATE: NOT REPORTED NFR RECORD: NOT REPORTED
PROJECT MANAGER: MYERS
PHONE: (217) 785-7491 EMAIL: DAVE.MYERS@ILLINOIS.GOV

TANK OPERATOR

TANK OWNER/OPERATOR: MAHARISHI PETROLEUM, INC.
ADDRESS: 3219 TALL GRASS DRIVE
NAPERVILLE, IL 60564
CONTACT: MANOJ MAHAPATRA
PHONE: 6302124046

TIERED APPROACH TO CORRECTIVES ACTION OBJECTIVE INFORMATION

BARRIERS

BUILDINGS/STRUCTURE: NO
PAVEMENT: NO
SOIL: NO
OTHER: NO

INSTITUTIONAL CONTROLS

GROUNDWATER USE RESTRICTION: NO
ORDINANCE: NO
IND./COM. LAND USE RESTRICTION: NO
WORKER CAUTION: NO
OTHER: NO

ENVIRONMENTAL LAND USE CONTROL

GROUNDWATER USE RESTRICTION: NO
IND./COM. LAND USE RESTRICTION: NO
ENGINEER BARRIER: NO
WORKER CAUTION: NO
SOIL HANDLING: NO
OTHER: NO

HIGHWAY AUTHORITY AGREEMENTS

HIGHWAY AUTHORITY: NO HIGHWAY AUTHORITY MEMO: NO

LEAKING UNDERGROUND STORAGE TANK INCIDENT TRACKING DATABASE (LUST)

MAP ID# 4 Distance from Property: 0.10 mi. NW

SITE INFORMATION

IEMA ID: 910356 LPC #: 0312555001 IEMA DATE: 2/12/1991
SITE NAME: O'BRIENS SERVICE
ADDRESS: 3600 SAUK TRAIL
RICHTON PARK, IL 60471
COUNTY: COOK
REGULATED BY: 731
PRODUCTS: GASOLINE
20 DAY REPORT: NOT REPORTED 45 DAY REPORT: NOT REPORTED
NO FURTHER REMEDIATION DATE: NOT REPORTED NFR RECORD: NOT REPORTED
PROJECT MANAGER: NOT ASSIGNED
PHONE: NOT REPORTED EMAIL: NOT REPORTED

TANK OPERATOR

TANK OWNER/OPERATOR: O'BRIENS PHILLIPS 66
ADDRESS: 3600 SAUK TRAIL
RICHTON PARK, IL 60471
CONTACT: JOSEPH O'BRIEN
PHONE: NOT REPORTED

TIERED APPROACH TO CORRECTIVES ACTION OBJECTIVE INFORMATION

BARRIERS

BUILDINGS/STRUCTURE: NO
PAVEMENT: NO
SOIL: NO
OTHER: NO

INSTITUTIONAL CONTROLS

GROUNDWATER USE RESTRICTION: NO
ORDINANCE: NO
IND./COM. LAND USE RESTRICTION: NO
WORKER CAUTION: NO
OTHER: NO

ENVIRONMENTAL LAND USE CONTROL

GROUNDWATER USE RESTRICTION: NO
IND./COM. LAND USE RESTRICTION: NO
ENGINEER BARRIER: NO
WORKER CAUTION: NO
SOIL HANDLING: NO
OTHER: NO

HIGHWAY AUTHORITY AGREEMENTS

HIGHWAY AUTHORITY: NO HIGHWAY AUTHORITY MEMO: NO

UNDERGROUND STORAGE TANK DATABASE (UST)

MAP ID# 4

Distance from Property: 0.10 mi. NW

FACILITY INFORMATION

FACID#: 2011567

NAME: RICHTON PARK CITGO, INC.

ADDRESS: 3600 SAUK TRAIL

RICHTON PARK, IL 60471

FACILITY TYPE: SELF-SERVICE STATION

STORAGE TANK INFORMATION

TANK #: 1

TANK STATUS: EXEMPT FROM REGISTRATION

TANK CAPACITY: 4000 GALS.

PRODUCT: GASOLINE

DATE INSTALLED: NOT REPORTED

LAST DATE USED: 4/1/1986

RED TAG ISSUE DATE: NOT REPORTED

OSFM DATE: 5/5/1986

GREEN TAG DECAL: G000594

GREEN TAG ISSUE DATE: 7/25/2005

GREEN TAG EXPIRATION DATE: 12/31/2008

SELF SERVICE PERMIT INSPECTION DATE: 7/25/2005

SELF SERVICE PERMIT EXPIRATION DATE: 12/31/2007

FEE DUE: NOT REPORTED

TANK #: 2

TANK STATUS: EXEMPT FROM REGISTRATION

TANK CAPACITY: 4000 GALS.

PRODUCT: GASOLINE

DATE INSTALLED: NOT REPORTED

LAST DATE USED: 4/1/1986

RED TAG ISSUE DATE: NOT REPORTED

OSFM DATE: 5/5/1986

GREEN TAG DECAL: G000594

GREEN TAG ISSUE DATE: 7/25/2005

GREEN TAG EXPIRATION DATE: 12/31/2008

SELF SERVICE PERMIT INSPECTION DATE: 7/25/2005

SELF SERVICE PERMIT EXPIRATION DATE: 12/31/2007

FEE DUE: NOT REPORTED

OWNER INFORMATION

OWNER ID#: U0035946

NAME: RICHTON PARK CITGO, INC.

ADDRESS: 3600 SAUK TRAIL RD.

RICHTON PARK, IL 60471



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UNDERGROUND STORAGE TANK DATABASE (UST)

TANK #: 3

TANK STATUS: EXEMPT FROM REGISTRATION

TANK CAPACITY: 6000 GALS.

PRODUCT: GASOLINE

DATE INSTALLED: NOT REPORTED

LAST DATE USED: 4/1/1986

RED TAG ISSUE DATE: NOT REPORTED

OSFM DATE: 5/5/1986

GREEN TAG DECAL: G000594

GREEN TAG ISSUE DATE: 7/25/2005

GREEN TAG EXPIRATION DATE: 12/31/2008

SELF SERVICE PERMIT INSPECTION DATE: 7/25/2005

SELF SERVICE PERMIT EXPIRATION DATE: 12/31/2007

FEE DUE: NOT REPORTED

TANK #: 4

TANK STATUS: OUT OF SERVICE

TANK CAPACITY: 4000 GALS.

PRODUCT: DIESEL FUEL

DATE INSTALLED: 1/1/1986

LAST DATE USED: 11/1/2007

RED TAG ISSUE DATE: NOT REPORTED

OSFM DATE: 5/5/1986

GREEN TAG DECAL: G000594

GREEN TAG ISSUE DATE: 7/25/2005

GREEN TAG EXPIRATION DATE: 12/31/2008

SELF SERVICE PERMIT INSPECTION DATE: 7/25/2005

SELF SERVICE PERMIT EXPIRATION DATE: 12/31/2007

FEE DUE: \$0.00

TANK #: 5

TANK STATUS: OUT OF SERVICE

TANK CAPACITY: 8000 GALS.

PRODUCT: GASOLINE

DATE INSTALLED: 6/1/1989

LAST DATE USED: 11/1/2007

RED TAG ISSUE DATE: NOT REPORTED

OSFM DATE: 5/14/1986

GREEN TAG DECAL: G000594

GREEN TAG ISSUE DATE: 7/25/2005

GREEN TAG EXPIRATION DATE: 12/31/2008

SELF SERVICE PERMIT INSPECTION DATE: 7/25/2005

SELF SERVICE PERMIT EXPIRATION DATE: 12/31/2007

FEE DUE: \$0.00



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UNDERGROUND STORAGE TANK DATABASE (UST)

TANK #: 6

TANK STATUS: OUT OF SERVICE

TANK CAPACITY: 8000 GALS.

PRODUCT: GASOLINE

DATE INSTALLED: NOT REPORTED

LAST DATE USED: 11/1/2007

RED TAG ISSUE DATE: NOT REPORTED

OSFM DATE: 5/14/1986

GREEN TAG DECAL: G000594

GREEN TAG ISSUE DATE: 7/25/2005

GREEN TAG EXPIRATION DATE: 12/31/2008

SELF SERVICE PERMIT INSPECTION DATE: 7/25/2005

SELF SERVICE PERMIT EXPIRATION DATE: 12/31/2007

FEE DUE: \$0.00

TANK #: 7

TANK STATUS: OUT OF SERVICE

TANK CAPACITY: 550 GALS.

PRODUCT: USED OIL

DATE INSTALLED: NOT REPORTED

LAST DATE USED: 8/1/1990

RED TAG ISSUE DATE: NOT REPORTED

OSFM DATE: 5/5/1986

GREEN TAG DECAL: G000594

GREEN TAG ISSUE DATE: 7/25/2005

GREEN TAG EXPIRATION DATE: 12/31/2008

SELF SERVICE PERMIT INSPECTION DATE: 7/25/2005

SELF SERVICE PERMIT EXPIRATION DATE: 12/31/2007

FEE DUE: \$0.00



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RESOURCE CONSERVATION & RECOVERY ACT - GENERATOR FACILITIES (RCRAGR05)

MAP ID# 4 Distance from Property: 0.10 mi. NW

FACILITY INFORMATION

EPA ID#: ILD984825950

NAME: OBRIEN J SVC

ADDRESS: 3600 W SAUK TRAIL

RICHTON PARK, IL 60471

CONTACT NAME: J OBRYAN

CONTACT ADDRESS: 3600 W SAUK TRAIL

RICHTON PARK, IL 60471

CONTACT PHONE: 7087486800

NON-NOTIFIER: NOT A NON-NOTIFIER

INDUSTRY CLASSIFICATION (NAICS) - NO NAICS INFORMATION REPORTED

OWNER TYPE: PRIVATE

OWNER NAME: OBRYAN JOE

OPERATOR TYPE: NOT REPORTED

OPERATOR NAME: NOT REPORTED

ACTIVITY INFORMATION

GENERATOR STATUS: SMALL QUANTITY GENERATOR

SUBJECT TO CORRECTIVE ACTION UNIVERSE: NO

TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: NO

TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: NO

NON TDSFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: NO

CORRECTIVE ACTION WORKLOAD UNIVERSE: NO

IMPORTER: NO

UNDERGROUND INJECTION: NO

MIXED WASTE GENERATOR: NO

UNIVERSAL WASTE DESTINATION FACILITY: NO

RECYCLER: NO

TRANSFER FACILITY: NOT REPORTED

TRANSPORTER: NO

USED OIL FUEL BURNER: NO

ONSITE BURNER EXEMPTION: NO

USED OIL PROCESSOR: NO

FURNACE EXEMPTION: NO

USED OIL FUEL MARKETER TO BURNER: NO

USED OIL REFINER: NO

SPECIFICATION USED OIL MARKETER: NO

USED OIL TRANSFER FACILITY: NO

USED OIL TRANSPORTER: NO

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS - NO EVALUATIONS REPORTED -

VIOLATIONS - NO VIOLATIONS REPORTED -

ENFORCEMENTS - NO ENFORCEMENTS REPORTED -

HAZARDOUS WASTE

D001 IGNITABLE WASTE

LEAKING UNDERGROUND STORAGE TANK INCIDENT TRACKING DATABASE (LUST)

MAP ID# 4 Distance from Property: 0.10 mi. NW

SITE INFORMATION

IEMA ID: 860307B LPC #: 0312555001 IEMA DATE: 3/7/1986
SITE NAME: MOBIL OIL CORP.
ADDRESS: 3600 WEST SAUK TRAIL
RICHTON PARK, IL 60471
COUNTY: COOK
REGULATED BY: 731
PRODUCTS: GASOLINE
20 DAY REPORT: NOT REPORTED 45 DAY REPORT: NOT REPORTED
NO FURTHER REMEDIATION DATE: NOT REPORTED NFR RECORD: NOT REPORTED
PROJECT MANAGER: NOT ASSIGNED
PHONE: NOT REPORTED EMAIL: NOT REPORTED

TANK OPERATOR

TANK OWNER/OPERATOR: MOBIL OIL CORP.
ADDRESS: P.O. BOX 874
JOLIET, IL 60434-0874
CONTACT: PETE HAMBILOS
PHONE: NOT REPORTED

TIERED APPROACH TO CORRECTIVES ACTION OBJECTIVE INFORMATION

BARRIERS

BUILDINGS/STRUCTURE: NO
PAVEMENT: NO
SOIL: NO
OTHER: NO

INSTITUTIONAL CONTROLS

GROUNDWATER USE RESTRICTION: NO
ORDINANCE: NO
IND./COM. LAND USE RESTRICTION: NO
WORKER CAUTION: NO
OTHER: NO

ENVIRONMENTAL LAND USE CONTROL

GROUNDWATER USE RESTRICTION: NO
IND./COM. LAND USE RESTRICTION: NO
ENGINEER BARRIER: NO
WORKER CAUTION: NO
SOIL HANDLING: NO
OTHER: NO

HIGHWAY AUTHORITY AGREEMENTS

HIGHWAY AUTHORITY: NO HIGHWAY AUTHORITY MEMO: NO

LEAKING UNDERGROUND STORAGE TANK INCIDENT TRACKING DATABASE (LUST)

MAP ID# 5 Distance from Property: 0.30 mi. NE

SITE INFORMATION

IEMA ID: 931626 LPC #: 0314743001 IEMA DATE: 6/17/1993
SITE NAME: PARK FOREST DIST. #163
ADDRESS: 215 WILSON
PARK FOREST, IL 60466
COUNTY: COOK
REGULATED BY: 731
PRODUCTS: FUEL OIL
20 DAY REPORT: NOT REPORTED 45 DAY REPORT: NOT REPORTED
NO FURTHER REMEDIATION DATE: NOT REPORTED NFR RECORD: NOT REPORTED
PROJECT MANAGER: NOT ASSIGNED
PHONE: NOT REPORTED EMAIL: NOT REPORTED

TANK OPERATOR

TANK OWNER/OPERATOR: PARK FOREST DIST. #163
ADDRESS: 242 SOUTH ORCHARD
PARK FOREST, IL 60466
CONTACT: KEN PETERSON
PHONE: NOT REPORTED

TIERED APPROACH TO CORRECTIVES ACTION OBJECTIVE INFORMATION

BARRIERS

BUILDINGS/STRUCTURE: NO
PAVEMENT: NO
SOIL: NO
OTHER: NO

INSTITUTIONAL CONTROLS

GROUNDWATER USE RESTRICTION: NO
ORDINANCE: NO
IND./COM. LAND USE RESTRICTION: NO
WORKER CAUTION: NO
OTHER: NO

ENVIRONMENTAL LAND USE CONTROL

GROUNDWATER USE RESTRICTION: NO
IND./COM. LAND USE RESTRICTION: NO
ENGINEER BARRIER: NO
WORKER CAUTION: NO
SOIL HANDLING: NO
OTHER: NO

HIGHWAY AUTHORITY AGREEMENTS

HIGHWAY AUTHORITY: NO HIGHWAY AUTHORITY MEMO: NO



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ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

AIRSAFS Aerometric Information Retrieval System / Air Facility Subsystem

VERSION DATE: 3/2010

The United States Environmental Protection Agency (EPA) modified the Aerometric Information Retrieval System (AIRS) to a database that exclusively tracks the compliance of stationary sources of air pollution with EPA regulations: the Air Facility Subsystem (AFS). Since this change in 2001, the management of the AIRS/AFS database was assigned to EPA's Office of Enforcement and Compliance Assurance.

BF Brownfields Management System

VERSION DATE: 10/2010

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. The United States Environmental Protection Agency maintains this database to track activities in the various brown field grant programs including grantee assessment, site cleanup and site redevelopment.

BRS Biennial Reporting System

VERSION DATE: 1/2003

The United States Environmental Protection Agency (EPA), in cooperation with the States, biennially collects information regarding the generation, management, and final disposition of hazardous wastes regulated under the Resource Conservation and Recovery Act of 1976 (RCRA), as amended. The Biennial Report captures detailed data on the generation of hazardous waste from large quantity generators and data on waste management practices from treatment, storage and disposal facilities. Currently, the EPA states that data collected between 1991 and 1997 was originally a part of the defunct Biennial Reporting System and is now incorporated into the RCRAInfo data system.

CDL Clandestine Drug Laboratory Locations

VERSION DATE: 10/2010

The U.S. Department of Justice ("the Department") provides this information as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments. The Department does not establish, implement, enforce, or certify compliance with clean-up or remediation standards for contaminated sites; the public should contact a state or local health department or environmental protection agency for that information.



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ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

CERCLIS Comprehensive Environmental Response, Compensation & Liability Information System

VERSION DATE: 9/2010

CERCLIS is the repository for site and non-site specific Superfund information in support of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). This United States Environmental Protection Agency database contains an extract of sites that have been investigated or are in the process of being investigated for potential environmental risk.

DNPL Delisted National Priorities List

VERSION DATE: 9/2010

This database includes sites from the United States Environmental Protection Agency's Final National Priorities List (NPL) where remedies have proven to be satisfactory or sites where the original analyses were inaccurate, and the site is no longer appropriate for inclusion on the NPL, and final publication in the Federal Register has occurred.

DOCKETS EPA Docket Data

VERSION DATE: 12/2005

The United States Environmental Protection Agency Docket data lists Civil Case Defendants, filing dates as far back as 1971, laws broken including section, violations that occurred, pollutants involved, penalties assessed and superfund awards by facility and location. Please refer to ICIS database as source of current data.

DOD Department of Defense Sites

VERSION DATE: 12/2005

This information originates from the National Atlas of the United States Federal Lands data, which includes lands owned or administered by the Federal government. Army DOD, Army Corps of Engineers DOD, Air Force DOD, Navy DOD and Marine DOD areas of 640 acres or more are included.

EC Federal Engineering Institutional Control Sites

VERSION DATE: 12/2010

This database includes site locations where Engineering and/or Institutional Controls have been identified as part of a selected remedy for the site as defined by United States Environmental Protection Agency official remedy decision documents. A site listing does not indicate that the institutional and engineering controls are currently in place nor will be in place once the remedy is complete; it only indicates that the decision to include either of them in the remedy is documented as of the completed date of the document. Institutional controls are actions, such as legal controls, that help minimize the potential for human exposure to contamination by ensuring appropriate land or resource use. Engineering controls include caps, barriers, or other device engineering to prevent access, exposure, or continued migration of contamination.



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ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

ERNSIL Emergency Response Notification System

VERSION DATE: 12/2009

This National Response Center database contains data on reported releases of oil, chemical, radiological, biological, and/or etiological discharges into the environment anywhere in the United States and its territories. The data comes from spill reports made to the U.S. Environmental Protection Agency, U.S. Coast Guard, the National Response Center and/or the U.S. Department of Transportation.

FRSIL Facility Registry System

VERSION DATE: 8/2010

The United States Environmental Protection Agency's Office of Environmental Information (OEI) developed the Facility Registry System (FRS) as the centrally managed database that identifies facilities, sites or places subject to environmental regulations or of environmental interest. The Facility Registry System replaced the Facility Index System or FINDS database.

FUDS Formerly Used Defense Sites

VERSION DATE: 8/2010

The 2009 FUDS inventory includes properties previously owned by or leased to the United States and under Secretary of Defense jurisdiction. The remediation of these properties is the responsibility of the Department of Defense.

HMIRSR05 Hazardous Materials Incident Reporting System

VERSION DATE: 8/2010

The HMIRS database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation located in EPA Region 5. Region 5 includes the following states: Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin.

ICIS Integrated Compliance Information System (formerly DOCKETS)

VERSION DATE: 3/2010

ICIS is a case activity tracking and management system for civil, judicial, and administrative federal Environmental Protection Agency enforcement cases. ICIS contains information on federal administrative and federal judicial cases under the following environmental statutes: the Clean Air Act, the Clean Water Act, the Resource Conservation and Recovery Act, the Emergency Planning and Community Right-to-Know Act - Section 313, the Toxic Substances Control Act, the Federal Insecticide, Fungicide, and Rodenticide Act, the Comprehensive Environmental Response, Compensation, and Liability Act, the Safe Drinking Water Act, and the Marine Protection, Research, and Sanctuaries Act.



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ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

ICISNPDES Integrated Compliance Information System National Pollutant Discharge Elimination System
VERSION DATE: 3/2010

In 2006, the Integrated Compliance Information System (ICIS) - National Pollutant Discharge Elimination System (NPDES) became the NPDES national system of record for select states, tribes and territories. ICIS-NPDES is an information management system maintained by the United States Environmental Protection Agency's Office of Compliance to track permit compliance and enforcement status of facilities regulated by the NPDES under the Clean Water Act. ICIS-NPDES is designed to support the NPDES program at the state, regional, and national levels.

LUCIS Land Use Control Information System
VERSION DATE: 9/2006

The LUCIS database is maintained by the U.S. Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

MLTS Material Licensing Tracking System
VERSION DATE: 2/2010

MLTS is a list of approximately 8,100 sites which have or use radioactive materials subject to the United States Nuclear Regulatory Commission (NRC) licensing requirements.

NFRAP No Further Remedial Action Planned Sites
VERSION DATE: 9/2010

This database includes sites which have been determined by the United States Environmental Protection Agency, following preliminary assessment, to no longer pose a significant risk or require further activity under CERCLA. After initial investigation, no contamination was found, contamination was quickly removed or contamination was not serious enough to require Federal Superfund action or NPL consideration.

NLRRCRAC No Longer Regulated RCRA Corrective Action Facilities
VERSION DATE: 11/2010

This database includes RCRA Corrective Action facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements.

NLRRCAG No Longer Regulated RCRA Generator Facilities
VERSION DATE: 11/2010

This database includes RCRA Generator facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements. This listing includes facilities that formerly generated hazardous waste.



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ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

Large Quantity Generators: Generate 1,000 kg or more of hazardous waste during any calendar month; or Generate more than 1 kg of acutely hazardous waste during any calendar month; or Generate more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month; or Generate 1 kg or less of acutely hazardous waste during any calendar month, and accumulate more than 1kg of acutely hazardous waste at any time; or Generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulated more than 100 kg of that material at any time.

Small Quantity Generators: Generate more than 100 and less than 1000 kilograms of hazardous waste during any calendar month and accumulate less than 6000 kg of hazardous waste at any time; or Generate 100 kg or less of hazardous waste during any calendar month, and accumulate more than 1000 kg of hazardous waste at any time.

Conditionally Exempt Small Quantity Generators: Generate 100 kilograms or less of hazardous waste per calendar month, and accumulate 1000 kg or less of hazardous waste at any time; or Generate one kilogram or less of acutely hazardous waste per calendar month, and accumulate at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste; or Generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month, and accumulate at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste.

NLRRCRAT No Longer Regulated RCRA Non-CORRACTS TSD Facilities

VERSION DATE: 11/2010

This database includes RCRA Non-Corrective Action TSD facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements. This listing includes facilities that formerly treated, stored or disposed of hazardous waste.

NPDES05 National Pollutant Discharge Elimination System

VERSION DATE: 4/2007

Information in this database is extracted from the Water Permit Compliance System (PCS) database which is used by United States Environmental Protection Agency to track surface water permits issued under the Clean Water Act. This database includes permitted facilities located in EPA Region 5. This region includes the following states: Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin. The NPDES database was collected from December 2002 until April 2007. Refer to the PCS and/or ICIS-NPDES database as source of current data.



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ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

NPL National Priorities List

VERSION DATE: 9/2010

This database includes United States Environmental Protection Agency (EPA) National Priorities List sites that fall under the EPA's Superfund program, established to fund the cleanup of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action.

ODI Open Dump Inventory

VERSION DATE: 6/1985

The open dump inventory was published by the United States Environmental Protection Agency. An "open dump" is defined as a facility or site where solid waste is disposed of which is not a sanitary landfill which meets the criteria promulgated under section 4004 of the Solid Waste Disposal Act (42 U.S.C. 6944) and which is not a facility for disposal of hazardous waste. This inventory has not been updated since June 1985.

PADS PCB Activity Database System

VERSION DATE: 11/2010

The PCB Activity Database System (PADS) is used by the United States Environmental Protection Agency to monitor the activities of polychlorinated biphenyls (PCB) handlers.

PCSR05 Permit Compliance System

VERSION DATE: 3/2010

The Permit Compliance System is used in tracking enforcement status and permit compliance of facilities controlled by the National Pollutant Discharge Elimination System (NPDES) under the Clean Water Act and is maintained by the United States Environmental Protection Agency's Office of Compliance. PCS is designed to support the NPDES program at the state, regional, and national levels. This database includes permitted facilities located in EPA Region 5. This region includes the following states: Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin.

PNPL Proposed National Priorities List

VERSION DATE: 9/2010

This database contains sites proposed to be included on the National Priorities List (NPL) in the Federal Register. The United States Environmental Protection Agency investigates these sites to determine if they may present long-term threats to public health or the environment.



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ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

RCRAC Resource Conservation & Recovery Act - Corrective Action Facilities

VERSION DATE: 11/2010

This database includes hazardous waste sites listed with corrective action activity in the RCRAInfo system. The Corrective Action Program requires owners or operators of RCRA facilities (or treatment, storage, and disposal facilities) to investigate and cleanup contamination in order to protect human health and the environment. The United States Environmental Protection Agency defines RCRAInfo as the comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS).

RCRAGR05 Resource Conservation & Recovery Act - Generator Facilities

VERSION DATE: 11/2010

This database includes sites listed as generators of hazardous waste (large, small, and exempt) in the RCRAInfo system. The United States Environmental Protection Agency defines RCRAInfo as the comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). This database includes sites located in EPA Region 5. This region includes the following states: Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin.

Large Quantity Generators: Generate 1,000 kg or more of hazardous waste during any calendar month; or Generate more than 1 kg of acutely hazardous waste during any calendar month; or Generate more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month; or Generate 1 kg or less of acutely hazardous waste during any calendar month, and accumulate more than 1kg of acutely hazardous waste at any time; or Generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulated more than 100 kg of that material at any time.

Small Quantity Generators: Generate more than 100 and less than 1000 kilograms of hazardous waste during any calendar month and accumulate less than 6000 kg of hazardous waste at any time; or Generate 100 kg or less of hazardous waste during any calendar month, and accumulate more than 1000 kg of hazardous waste at any time.

Conditionally Exempt Small Quantity Generators: Generate 100 kilograms or less of hazardous waste per calendar month, and accumulate 1000 kg or less of hazardous waste at any time; or Generate one kilogram or less of acutely hazardous waste per calendar month, and accumulate at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste; or Generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous



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ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

waste during any calendar month, and accumulate at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste.

RCRAT Resource Conservation & Recovery Act - Treatment, Storage & Disposal Facilities

VERSION DATE: 11/2010

This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste in the RCRAInfo system. The United States Environmental Protection Agency defines RCRAInfo as the comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS).

RODS Record of Decision System

VERSION DATE: 9/2010

These decision documents maintained by the United States Environmental Protection Agency describe the chosen remedy for NPL (Superfund) site remediation. They also include site history, site description, site characteristics, community participation, enforcement activities, past and present activities, contaminated media, the contaminants present, and scope and role of response action.

SFLIENS CERCLIS Liens

VERSION DATE: 9/2010

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which United States Environmental Protection Agency has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties. This database contains those CERCLIS sites where the Lien on Property action is complete.

SSTS Section Seven Tracking System

VERSION DATE: 12/2006

The United States Environmental Protection Agency tracks information on pesticide establishments through the Section Seven Tracking System (SSTS). SSTS records the registration of new establishments and records pesticide production at each establishment. The Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) requires that production of pesticides or devices be conducted in a registered pesticide-producing or device-producing establishment. ("Production" includes formulation, packaging, repackaging, and relabeling.)



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ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

TRI Toxics Release Inventory

VERSION DATE: 12/2009

The Toxics Release Inventory, provided by the United States Environmental Protection Agency, includes data on toxic chemical releases and waste management activities from certain industries as well as federal facilities. This inventory contains information about the types and amounts of toxic chemicals that are released each year to the air, water, and land as well as information on the quantities of toxic chemicals sent to other facilities for further waste management.

TSCA Toxic Substance Control Act Inventory

VERSION DATE: 12/2002

The Toxic Substances Control Act (TSCA) was enacted in 1976 to ensure that chemicals manufactured, imported, processed, or distributed in commerce, or used or disposed of in the United States do not pose any unreasonable risks to human health or the environment. TSCA section 8(b) provides the United States Environmental Protection Agency authority to "compile, keep current, and publish a list of each chemical substance that is manufactured or processed in the United States." This TSCA Chemical Substance Inventory contains non-confidential information on the production amount of toxic chemicals from each manufacturer and importer site.

ENVIRONMENTAL RECORDS DEFINITIONS - STATE (IL)

AIRS Permitted Air Facilities

VERSION DATE: 4/2010

The Illinois Environmental Protection Agency's Bureau of Air, Division of Air Pollution Control maintains this list of facilities with air pollution control permits.

CDDL Construction Demolition Debris Landfills

VERSION DATE: 10/2010

This listing of Clean Construction or Demolition Debris Fill Operations with approved permits is provided by the Illinois Environmental Protection Agency (IEPA). According to Section 22.51 of the IEPA Act, permits are required only for sites where clean construction or demolition debris is being used as fill in a current or former quarry, mine, or other excavation.

CDL Clandestine Drug Laboratories

VERSION DATE: 2/2010

The Illinois Department of Public Health's (IDPH) Division of Environmental Health maintains this listing of clandestine methamphetamine laboratories. The locations of these properties are derived from reports the IDPH receives from the Illinois Emergency Management Agency.

CLEANERS Licensed Drycleaners

VERSION DATE: 2/2010

The Illinois Drycleaner Environmental Response Trust Fund was established by the Illinois legislature in 1997, in response to requests by operators of retail drycleaning facilities to have financial resources available to pay for the cleanup of spills and/or leaks from their drycleaning machines and solvent storage units. All retail drycleaning facilities in Illinois are required to be licensed annually by the Fund.

COMPOST Compost Facilities

VERSION DATE: 12/2009

The Illinois Environmental Protection Agency's Bureau of Land, Division of Land Pollution Control maintains this list of active composting facilities. Composting facilities provide an alternative option to managing and disposing of non-hazardous solid waste and/or landscape waste instead of the waste being landfilled.

LANDFILLS Active Landfills

VERSION DATE: 12/2009

This database of permitted active landfills is provided by the Bureau of Land, Division of Land Pollution Control of the Illinois Environmental Protection Agency.



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ENVIRONMENTAL RECORDS DEFINITIONS - STATE (IL)

LUST Leaking Underground Storage Tank Incident Tracking Database

VERSION DATE: 11/2010

The Leaking Underground Storage Tank (LUST) Incident Tracking database identifies the status of all Illinois LUST incidents reported to the Illinois Emergency Management Agency and to the Illinois Environmental Protection Agency.

LUSTFUND Underground Storage Tank Fund Payment Priority List

VERSION DATE: 11/2010

According to the Illinois Environmental Protection Agency, in case sufficient funds are not available in the Underground Storage Tank Fund to assist in remediation costs for tanks with incidents, requests for payment are entered on the Payment Priority List by "queue date" order. As required by the Environmental Protection Act, the queue date is the date that a complete request for partial or final payment was received by the Agency. The queue date is "officially" confirmed at the end of the payment review process when a Final Decision Letter is sent to the site owner.

MEDWASTE Potentially Infectious Medical Waste Facilities

VERSION DATE: 2/2010

Title 35 of the Illinois Administrative Code defines Potentially Infectious Medical Waste (PIMW) as waste generated in connection with the diagnosis, treatment (i.e., provision of medical services), or immunization of human beings or animals; research pertaining to the provision of medical services; or the provision or testing of biologicals. The Illinois Environmental Protection Agency's Bureau of Land is responsible for administering the PIMW program. The facilities included on this listing treat, store, transfer or dispose of PIMW.

NPDES National Pollutant Discharge Elimination System Facilities

VERSION DATE: 4/2010

This database of permitted National Pollutant Discharge Elimination System Facilities is provided by the Water Pollution Control Permit Section of the Illinois Environmental Protection Agency. These permits are required for the discharge of treated municipal effluent, treated industrial effluent and stormwater.

RAD Redevelopment Assessment Database

VERSION DATE: 10/2010

The Office of Site Evaluations Redevelopment Assessment database identifies the status of all properties within the State in which the Illinois Environmental Protection Agency's Office of Site Evaluation has conducted a Municipal Brownfield Redevelopment Assessment.



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ENVIRONMENTAL RECORDS DEFINITIONS - STATE (IL)

SC Sites with Controls

VERSION DATE: 11/2010

As defined by the Illinois Environmental Protection Agency's (IEPA) Tiered Approach to Corrective Action Objectives, institutional controls are legal mechanisms for imposing restrictions and conditions on land use. These restrictions and conditions are contained in an IEPA No Further Remediation letter. An engineered barrier limits exposure and/or controls migration of contaminants. A barrier may be natural or human-made, but its effectiveness must be verified by engineering practices. If an engineered barrier is used, it must be accompanied by an institutional control which assures the proper maintenance of the barrier. This institutional control, which is typically a legal document, is transferrable with the property and must provide procedures to be followed if intrusive work (breaching of the barrier) is necessary.

SPILLS Spills Listing

VERSION DATE: 5/2009

This database is maintained by the Illinois Environmental Protection Agency's Office of Emergency Response. The database includes reported releases of potentially hazardous materials into the environment since January 1987.

SRP Site Remediation Program Database

VERSION DATE: 11/2010

The Site Remediation Program database identifies the status of all voluntary remediation projects administered through the Pre-Notice Site Cleanup Program (1989 to 1995) and the Site Remediation Program (1996 to the present). This database is maintained by the Illinois Environmental Protection Agency's Bureau of Land, Remedial Project Management Section of the Site Remediation Program.

TRANSFER Transfer Facilities

VERSION DATE: 12/2009

The Illinois Environmental Protection Agency's Bureau of Land, Division of Land Pollution Control maintains this list of active transfer facilities. Transfer facilities provide an alternative option to managing non-hazardous solid waste and/or landscape waste until the waste is transported to a remote disposal site.

UST Underground Storage Tank Database

VERSION DATE: 11/2010

This underground storage tank database is maintained by the Office of the Illinois State Fire Marshal's (OSFM) Petroleum and Chemical Safety Division. The information is derived from tank registration information supplied to the OSFM from outside sources. OSFM does not and cannot guarantee or certify the accuracy of this information.



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ENVIRONMENTAL RECORDS DEFINITIONS - TRIBAL

INDIANRES Indian Reservations

VERSION DATE: 1/2000

The Department of Interior and Bureau of Indian Affairs maintains this database that includes American Indian Reservations, off-reservation trust lands, public domain allotments, Alaska Native Regional Corporations and Recognized State Reservations.

LUSTR05 Leaking Underground Storage Tanks On Tribal Lands

VERSION DATE: 7/2010

This database, provided by the United States Environmental Protection Agency (EPA), contains leaking underground storage tanks on Tribal lands located in EPA Region 5. Region 5 includes the following states: Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin.

ODINDIAN Open Dump Inventory on Tribal Lands

VERSION DATE: 11/2006

This Indian Health Service database contains information about facilities and sites on tribal lands where solid waste is disposed of, which are not sanitary landfills or hazardous waste disposal facilities, and which meet the criteria promulgated under section 4004 of the Solid Waste Disposal Act (42 U.S.C. 6944).

USTR05 Underground Storage Tanks On Tribal Lands

VERSION DATE: 8/2010

This database, provided by the United States Environmental Protection Agency (EPA), contains underground storage tanks on Tribal lands located in EPA Region 5. Region 5 includes the following states: Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin.



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APPENDIX E
ENVIRONMENTAL RECORDS AND INTERVIEW DOCUMENTATION



Verification of FOIA Submittal

FOIA Request submitted by: Ms. Chrystine Shelton
Automated reply sent to: cshelton@weaverboos.com

Subject: FOIA Request - Chrystine Shelton 1/18/2011 2:00:06 PM - 1/18/2011-7102625

**If you provided a valid return email address, the summary of your request will be sent.
For additional questions, please feel free to use the contact information below:**

Bureau of Air Unit - 217/524-5683 - 217/524-5023(FAX)

Bureau of Land - Jan Ogden - 217/557-2482 - 217/782-9290(FAX)

Bureau of Water - Janet Christer 217/782-8482 - 217/782-9891(FAX)

Office of Emergency Response - Carolyn Wright - 217/558-1677 - 217/782-1431(FAX)

Division of Legal Counsel - Michael McCabe - 217/782-5544 - 217/782-9807(FAX)

Thank you.

To submit another FOIA request, click the "New Request" button below.

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WEAVER
BOOS
CONSULTANTS
NORTH CENTRAL, LLC
GEO-ENVIRONMENTAL ENGINEERS
AND SCIENTISTS

January 18, 2011
Project #: 3342300-01

Illinois Office of the State Fire Marshal
Attn: Ms. Denise Carty
1035 Stevenson Drive
Springfield, Illinois 62703

Re: **Freedom of Information Act Request**
Park Forest, Illinois

Dear Ms. Carty:

Pursuant to the federal Freedom of Information Act, **Weaver Boos Consultants North Central, LLC** is requesting any paper and microfiche documents the Office of the State Fire Marshal (OSFM) may have on file concerning aboveground or underground storage tanks historically located at the following addresses located in Park Forest, Illinois:

379-381 Blackhawk Drive

Please forward any documents to: Chrystine Shelton
Weaver Boos Consultants North Central, LLC
1813 North Mill Street, Suite A
Naperville, Illinois, 60563

Thank-you in advance for your effort in performing this request. A check in the amount of \$6.00 has been forwarded to your office to cover the expense of performing this request. If you should have any questions or comments concerning this proposal, please do not hesitate to contact our office at 630-717-4848.

Sincerely,
Weaver Boos Consultants North Central, LLC



Chrystine Shelton
Staff Scientist

WEAVER
BOOS
CONSULTANTS
NORTH CENTRAL, LLC
GEO-ENVIRONMENTAL ENGINEERS
AND SCIENTISTS

January 18, 2011
Project #: 3342300-01

Freedom of Information Officer
Attn: Sandra Black
Village of Park Forest
350 Victory Drive
Park Forest, IL 60466

Re: Freedom of Information Act Request
Park Forest, Illinois

Dear Ms. Black:

Pursuant to the federal Freedom of Information Act, **Weaver Boos Consultants North Central, LLC** is requesting any paper and microfiche documents the City of Park Forest, including the Fire Department, Building Department and Health Department may have on file concerning current or historical aboveground/underground storage tanks, environmental permits, conditions, inspections or violations located at the following address in Park Forest, Illinois:

379-381 Blackhawk Drive

Please forward any documents to: Chrystine Shelton
Weaver Boos Consultants North Central, LLC
1813 North Mill Street, Suite A
Naperville, Illinois 60540

Thank you in advance for your assistance with this request. Should you require any additional information, please do not hesitate to contact our office at 630-717-4848.

Sincerely,
Weaver Boos Consultants North Central, LLC



Chrystine Shelton
Staff Scientist

WEAVER
BOOS
CONSULTANTS
NORTH CENTRAL, LLC
**GEO-ENVIRONMENTAL ENGINEERS
AND SCIENTISTS**

January 18, 2011
Project #: 3342300-01

Village of Park Forest Fire Department
350 Victory Drive
Park Forest, IL 60466

**Re: Freedom of Information Act Request
Park Forest, Illinois**

Dear Park Forest Fire Department:

Pursuant to the federal Freedom of Information Act, **Weaver Boos Consultants North Central, LLC** is requesting any paper and microfiche documents the City of Park Forest Fire Department may have on file concerning current or historical aboveground/underground storage tanks, environmental permits, conditions, inspections or violations located at the following address in Park Forest, Illinois:

379-381 Blackhawk Drive

Please forward any documents to: Chrystine Shelton
Weaver Boos Consultants North Central, LLC
1813 North Mill Street, Suite A
Naperville, Illinois 60540

Thank you in advance for your assistance with this request. Should you require any additional information, please do not hesitate to contact our office at 630-717-4848.

Sincerely,
Weaver Boos Consultants North Central, LLC



Chrystine Shelton
Staff Scientist



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276 • (217) 782-2829
James R. Thompson Center, 100 West Randolph, Suite 11-300, Chicago, IL 60601 • (312) 814-6026

PAT QUINN, GOVERNOR

DOUGLAS P. SCOTT, DIRECTOR

(217) 524-5683

Friday, January 21, 2011

Weaver Boos Consultants
Attn: Chrystine Shelton
1813 North Mill Street Suite A
Naperville, IL 60563

Re: FOIA Request Received 1/18/2011

Dear Shelton:

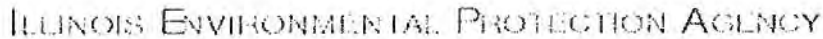
We do not have any information in the Bureau of Air files that you requested for the following:

379... Blackhawk Drive
Park Forest IL

If you have any questions, please feel free to contact the FOIA Coordinator at the number indicated above.

Sincerely,

Vicky VonLanken
Illinois Environmental Protection Agency
Division of Air Pollution Control



cc: File



Office of the Illinois
State Fire Marshal

"Partnering With the Fire Service to Protect Illinois"

1/25/2011

Chrystine Shelton
Weaver Boos Consultants North Central, LLC
1813 North Mill Street, Unit A
Naperville, IL 60563

Dear Chrystine Shelton:

The Office of the State Fire Marshal (OSFM) received your request for documents on 1/24/2011. A search of the OSFM files reveals no information pertaining to the requested facility/case/address.

We are returning your check #1247 for \$6.00 since we can no longer accept FOIA fees when we have no information for requested address.

A handwritten signature in cursive script that reads "Joyce Brunk".

FOIA Clerk

WEAVER
BOOS
CONSULTANTS
NORTH CENTRAL, LLC
GEO-ENVIRONMENTAL ENGINEERS
AND SCIENTISTS

January 18, 2011
Project #: 3342300-01

RECEIVED
JAN 24 2011
FOIA

Illinois Office of the State Fire Marshal
Attn: Ms. Denise Carty
1035 Stevenson Drive
Springfield, Illinois 62703

Re: **Freedom of Information Act Request**
Park Forest, Illinois

Dear Ms. Carty:

Pursuant to the federal Freedom of Information Act, **Weaver Boos Consultants North Central, LLC** is requesting any paper and microfiche documents the Office of the State Fire Marshal (OSFM) may have on file concerning aboveground or underground storage tanks historically located at the following addresses located in Park Forest, Illinois:

379-381 Blackhawk Drive

NOTHING FOUND
AT ADDRESS GIVEN

Please forward any documents to: Chrystine Shelton
Weaver Boos Consultants North Central, LLC
1813 North Mill Street, Suite A
Naperville, Illinois, 60563

Thank-you in advance for your effort in performing this request. A check in the amount of \$6.00 has been forwarded to your office to cover the expense of performing this request. If you should have any questions or comments concerning this proposal, please do not hesitate to contact our office at 630-717-4848.

Sincerely,
Weaver Boos Consultants North Central, LLC



Chrystine Shelton
Staff Scientist

217/782-5544

January 25, 2011

Chrystine Shelton
Weaver Boos Consultants
1813 North Mill Street
Suite A
Naperville, IL. 60563

RE: Freedom of Information Act Request
379-381 Blackhawk Drive, Park Forest

Dear Ms. Shelton:

This letter is in response to your Freedom of Information Act ("FOIA")[5 ILCS 140] request, dated January 18, 2011 and received in the Division of Legal Counsel of the Illinois Environmental Protection Agency ("Illinois EPA") on January 18, 2011.

Following a search, the Illinois EPA has determined there is no information in the Division of Legal Counsel records for the above referenced request.

Thank you for your patience and understanding in this matter. Should you have any questions, please do not hesitate to call me at 217/782-5544.

Sincerely,

Michael J. McCabe

Michael J. McCabe
Freedom of Information
Division of Legal Counsel
Illinois Environmental Protection Agency

Cc: File



Cook County Assessor's Office
Joseph Berrios

381 Blackhawk Dr

PIN **31-35-202-014-0000**

Property

[Appeals](#)

[Exemptions](#)

[Certificate Of Error](#)

Property Details



[Click Here to View Image](#)

 [VIEW LARGER IMAGE](#)

City
Park Forest

Township
Rich

NBHD.
120

Taxcode
32021

Class
5-17

Assessed Valuation

	2010 Assessor Certified Assessment	2009 Board of Review Certified
Land Assessed Value	20,615	20,615
Building Assessed Value	105,925	105,925
Total Assessed Value	126,540	126,540

Property Characteristics

Description	One story store
Age:	10
Land Square Footage	23,561

WEAVER BOOS CONSULTANTS NORTH CENTRAL, LLC
Environmental Site Assessment Questionnaire

Weaver Boos utilizes the following questionnaire as a tool to facilitate the Environmental Site Assessment (ESA) process. Please answer the following questions to the best of your knowledge. You have been selected to answer this questionnaire because you are (1) a current or past owner of the Property, (2) a current or past occupant of the Property, (3) a key site manager with respect to the Property, or (4) a person that may have specific knowledge regarding current or historical operations at the Property and adjoining properties. If you do not know an answer, please select "unknown". If possible and if applicable, please provide additional detail in the "Comments" section.

Weaver Boos requests that the respondent sign the last page of the form which affirms that the respondent has answered all questions to the best of the respondent's actual knowledge and in good faith. Weaver Boos would like to take this opportunity to thank you for your time and effort in assisting us with this task.

PROPERTY DATA

Date Completed _____

Property Address 381 BLACKHAWK DRIVE
City PARK FOREST County COOK State IL Zip 60466
Property is ☐ Vacant Land ☒ Improved
Respondent's Name CAPTAIN MIKE WHEELER Relationship to the Property INSPECTOR
Company PARK FOREST FIRE DEPT. Title FIRE PREVENTION COORDINATOR
Address 156 INDIANWOOD BLVD
City PARK FOREST State IL Zip 60466
Phone 708-748-5605 Fax 708-748-4890

1. To the best of your knowledge, is the Property used for an industrial use? If yes, describe the current operations.

Respondent:

Yes ☒ No ☐ Unknown ☐

Comments:

VACANT VEHICLE OIL CHANGE FACILITY

2. To the best of your knowledge, is any adjoining property used for an industrial use? If yes, describe the current operations.

Respondent:

Yes ☐ No ☒ Unknown ☐

Comments:

3. To the best of your knowledge, has the Property been used for an industrial use in the past? If yes, describe the past operations.

Respondent:

Yes ☐ No ☒ Unknown ☐

Comments:

4. To the best of your knowledge, has any adjoining property been used for an industrial use in the past? If yes, describe the past operations.

Respondent:

Yes ☐ No ☒ Unknown ☐

Comments:

5. To the best of your knowledge, is the Property currently used or has formerly been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?

Respondent:

Yes ☒ No ☐ Unknown ☐

Comments:

If yes, please indicate which type of use and time period: OIL CHANGE FACILITY 1998 - 2004

6. To the best of your knowledge, is any adjoining property currently used or has been formerly used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?

Respondent:

Yes ☒ No ☐ Unknown ☐

Comments:

If yes, please indicate which type of use and time period: SPEEDWAY SERVICE/MARATHON 1969 to Present

WEAVER BOOS CONSULTANTS NORTH CENTRAL, LLC
Environmental Site Assessment Questionnaire

17. Do you have any knowledge of environmental liens or governmental notifications relating to past or recurrent violations of environmental laws with respect to the Property or know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the Property?

Respondent:

Comments:

Yes _____ No _____ Unknown _____

18. To the best of your knowledge, does the Property discharge waste water (not including sanitary waste or stormwater) on or adjacent to the Property and/or into a stormwater or sanitary sewer system?

Respondent:

Comments:

Yes X No _____ Unknown _____

19. To the best of your knowledge, have any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been dumped above grade, buried and/or burned on the Property?

Respondent:

Comments:

Yes _____ No X Unknown _____

20. To the best of your knowledge, is there a transformer, capacitor, or any hydraulic equipment on the Property? If yes, do you have any knowledge of records indicating the presence of PCBs?

Respondent:

Comments:

Yes _____ No X Unknown _____

21. To the best of your knowledge, can you list any and all known past owners of the property including time period of ownership and use of the property during ownership. Please include any contact information that you may have.

SEE ATTACHMENTS

22. To the best of your knowledge, can you list any and all known past occupants of the property including time period of occupancy and use of the property during occupancy. Please include any contact information that you may have.

SEE ATTACHMENTS

23. To the best of your knowledge, can you list the structures currently present on the property including age, dates of renovations (if any), size and building materials.

TYPE II CONSTRUCTION, 1 STORY + BASEMENT, 30' x 60'
1998 CONSTRUCTED DATE

24. To the best of your knowledge, can you list the structures formerly present on the property (if any) including age, dates of renovations (if any), size and building materials.

NO KNOWN STRUCTURES PREVIOUSLY

25. To the best of your knowledge, can you list the current providers of the following utilities at the property (if applicable): drinking water, sanitary sewer, stormwater runoff, electricity, heat source, and telephone.

VACANT STRUCTURE / NO UTILITIES

WEAVER BOOS CONSULTANTS NORTH CENTRAL, LLC
Environmental Site Assessment Questionnaire

To the best of your knowledge, do you know if any of the environmental documents noted below exist for the Property:

• **Prior environmental assessment or audit reports**

Respondent:

Yes _____ No _____ Unknown ☒

• **Environmental permits**

Respondent:

Yes _____ No _____ Unknown ☒

• **Material Safety Data Sheets (MSDS)**

Respondent:

Yes _____ No _____ Unknown ☒

• **The property's community right-to-know plan**

Respondent:

Yes _____ No _____ Unknown ☒

• **Spill prevention and other safety/preparedness plans**

Respondent:

Yes _____ No _____ Unknown ☒

• **Reports regarding hydrogeologic conditions on the property and/or the surrounding area**

Respondent:

Yes _____ No _____ Unknown ☒

• **Hazardous waste generator notices or reports**

Respondent:

Yes _____ No _____ Unknown ☒

• **Geotechnical studies**

Respondent:

Yes _____ No _____ Unknown ☒

RESPONDENT INFORMATION

Name _____

Title _____

Firm _____

Address _____

Phone Number _____

Relationship to the Property _____

Date _____

I believe that the above statements and facts are true and correct to the best of my actual knowledge and that no material facts have been suppressed or misstated.

Print Name _____

Signature _____ Date _____

Respondent

WEAVER BOOS CONSULTANTS NORTH CENTRAL, LLC
Environmental Site Assessment Questionnaire

7. To the best of your knowledge, are there currently, or to the best of your knowledge have there been previously, any damaged or discarded batteries, or pesticides, paints, or other chemicals in containers of greater than 5 gal (19L) in volume or 50 gal (190L) in the aggregate, stored on or used at the Property?

Respondent:

Yes ☒ No ☐ Unknown ☐

Comments:

MOTOR OIL & ANTI-FREEZE

8. To the best of your knowledge, are there currently, or to the best of your knowledge have there been previously, any drums (typically 55 gal (208L)) or sacks of chemicals located on the Property?

Respondent:

Yes ☐ No ☐ Unknown ☐

Comments:

9. Did you observe evidence or do you have prior knowledge that fill dirt has been brought onto the Property? If yes, where did the fill dirt originate?

Respondent:

Yes ☐ No ☒ Unknown ☐

Comments:

10. To the best of your knowledge, are there currently, or have there been previously, any pits, ponds, or lagoons located on the Property?

Respondent:

Yes ☐ No ☒ Unknown ☐

Comments:

11. Is there currently, or to the best of your knowledge has there been previously, any stained soil on the Property?

Respondent:

Yes ☐ No ☒ Unknown ☐

Comments:

12. Are there currently, or to the best of your knowledge have there been previously, any registered or unregistered storage tanks (above or underground) located on the Property?

Respondent:

Yes ☒ No ☒ Unknown ☐

Comments:

ABOVE GROUND tanks - FUEL OIL (BASEMENT)

13. Are there currently, or to the best of your knowledge have there been previously, any vent pipes, fill pipes, or access ways protruding from the ground on the Property or adjacent to any structure located on the Property?

Respondent:

Yes ☐ No ☒ Unknown ☐

Comments:

14. Is there currently, or to the best of your knowledge have there been previously, any evidence of leaks, spills, or staining by substances other than water, or foul odors, associated with any flooring, drains, walls, ceilings, or exposed grounds on the Property?

Respondent:

Yes ☒ No ☐ Unknown ☐

Comments:

2008

15. Is the Property currently, or to the best of your knowledge has the Property been previously served by a private well or non-public water system?

Respondent:

Yes ☒ No ☐ Unknown ☐

Comments:

PUBLIC

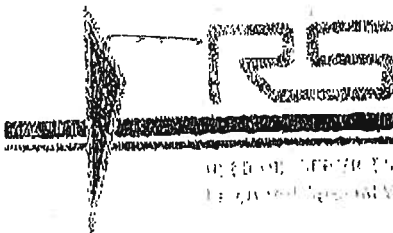
16. Is the Property currently, or to the best of your knowledge has the Property been previously served by a septic system?

Respondent:

Yes ☐ No ☐ Unknown ☐

Comments:

Jerry A. Hartman



1500 W. Randolph Avenue
Morton, Illinois 60450

7/25/08
Peotone Bank
Attn: Mr. Dwayne Carter
381 Blackhawk
Park Forest, IL 60466

RE: Contaminated Water Removal and Industrial Cleaning Services at Lube Renew in Park Forest, Illinois.

Dear Mr. Carter,

The following information outlines our Scope of Work of completion at Lube Renew in Park Forest, IL.

Scope-of-Work completed by RS Used Oil Services:

- Removed all contaminated waters from the basement area. All waste was Profiled and Approved for disposal at an appropriately permitted wastewater treatment facility.
- Removed all products remaining in tanks.
- Our Field Services Technicians have removed all remaining gross contamination from surfaces within the areas of concern. All oily debris and cleaning equipment has been containerized and disposed of appropriately.

Special Conditions:

All cost associated with this completion of the above Scope of Work will be charged directly to Peotone Bank, (200 W. Corning, Peotone, IL 60468). A formal Proposal, with all line-item costs, will be issued upon request. Payment terms are Net 30 days from date of invoice.

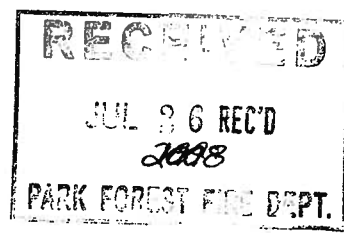
Please feel free to contact us at anytime with any questions you may have.

RS Used Oil Services Project Coordination Team:

Carol Janaszak
Sales Representative
Cell (708) 932-1174

Scott Dettmering
Operations Manager
Cell (708) 935-6090

Rob McLaughlin
Field Services Coordinator
Cell (708) 935-6112



U.S. Postal Service
CERTIFIED MAIL RECEIPT
 (Domestic Mail Only: No Insurance Coverage Provided)

7001 1940 0007 5049 3385

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent To Duane Carder 7/23/08

Street, Apt. No.,
or PO Box No.

City, State, ZIP+ 4

PS Form 3800, January 2001 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Duane Carder
 Senior Vice President
 Peotone Bank and Trust
 200 West Corning Avenue
 Peotone, IL 60468
 Return Receipt Requested

2. Article Number (Transfer from service label) **7001 1940 0007 5049 3385**

COMPLETE THIS SECTION ON DELIVERY

A. Signature [Signature] ☒ Agent ☐ Addressee

B. Received by (Printed Name) J. WERNER C. Date of Delivery 7-29-08

D. Is delivery address different from item 1? ☐ Yes ☒ No
 If YES, enter delivery address below:

3. Service Type

☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes



COPY

PARK FOREST FIRE DEPARTMENT
156 INDIANWOOD BLVD.
PARK FOREST IL 60466

ROBERT WILCOX, FIRE CHIEF

PHONE (708) 748-5605

July 23, 2008

Mr. Duane Carder
Senior Vice President
Peotone Bank and Trust
200 West Corning Avenue
Peotone, IL 60468

Dear Mr. Carder:

The purpose of this letter is to document our meeting on Tuesday, July 23, 2008, at the vacant Lube Renew building located at 381 Blackhawk Drive in Park Forest. The meeting included an inspection of the interior of the building. Also in attendance at this meeting was Village of Park Forest Building Inspector Jerry Martin.

This was a follow-up to our previous meeting at 381 Blackhawk Dr on May 23, 2008, to discuss hazardous conditions inside the building. At that time, the following items were observed:

- There was no electrical service in the building.
- Approximately three feet of oil-contaminated water filled the basement.
- A 250 gallon oil container had overturned, spilling its contents.
- Additional containers of chemicals and fuels were observed in the basement.
- The Knox Box had come free from the building and needed to be reattached.
- There was no key for the building in the Knox Box.
- The fire protection systems were not in service.

It was determined the conditions that created the hazard were a loss of electrical power and subsequent failure of the sump pumps. With no operational sump pumps, the basement filled with water causing the partially filled oil tank to become buoyant and tip over spilling its contents into the water.

A plan of action was formulated consisting of the following actions:

- Recovery tanks would be temporarily placed in the parking lot for the ultimate recovery of the waste water and oils.
- Following a dry period of at least two weeks, the basement would be pumped out and the oil recovered and disposed of.
- A new electrical panel would be installed for the sump pumps.
- Any remaining oils or chemicals in the building would be removed.
- The Knox Box would be reattached to the exterior with an access key secured inside.

It was decided the fire protection systems would not need to be re-activated and certified, so long as all chemicals were removed from the building and the building remained vacant.

Our inspection of the building today revealed most of the above mentioned conditions had been corrected. Specifically, the basement was mostly dry, a new electrical panel was in service, sump pumps were operational and the Knox Box had been re-secured and contained a valid building key.

Left unverified was whether or not the remaining fuels and chemicals had been removed from the premises. You could provide me with no documentation this had occurred. Without documented verification all chemical products have been removed from the building, the fire alarm and sprinkler systems will have to be re-established and certified as meeting the code.

It is my understanding you will obtain this documentation and forward it to me at the Park Forest Fire Department no later than Friday, August 1, 2008. If no documentation is received by that date, the restoration of the fire protection systems will be required.

Should you have any questions, please feel free to contact me at 707-748-5605.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael L. Wheeler", with a long, sweeping horizontal stroke at the end.

Captain Michael L. Wheeler
Fire Prevention Bureau Coordinator
Park Forest Fire Department

Partnering with the Fire Service
to Protect Illinois

5.30.08

Ed OSOWSKI from
EPA EMERG Resp. Team
Called (847-294-4114)

HE WILL CHECK WITH
EPA'S LAND POLLUTION
People Re: ISSUE

- NE feels THEY ARE
MORE APPROPRIATE AGENCY
GROUP TO HANDLE PROBLEM



OFFICE OF THE STATE FIRE MARSHAL

156 INDIANWOOD BLVD., PARK FOREST 60466
TELEPHONE: (708) 748-5605 FAX: (708) 748-4890

Park Forest Fire Department

Fax

To:	Jerry Martin	From:	Captain Mike Wheeler
Fax:	708-748-4355	Pages:	3
Phone:	708-748-5605	Date:	5/23/2008
Re:	381 Blackhawk Drive	CC:	

☐ Urgent ☒ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

Jerry:

Attached is a copy of my inspection report as given to Mr. Duane Carder today at 381 Blackhawk Drive. I will keep you abreast of any improvements made to the items noted.

Lisa
H-20080749

Incident HAZ Mat #
H-20080749
May 29, 2008

-10 Am-
-Wed-

PEOTONE BANK AND TRUST CO.

DUANE CARDER
SENIOR VICE PRESIDENT

700 MORNING AVENUE
PEOTONE, IL 60468

25510 S. GOVERNORS HWY.
MONEE, IL 60439

Phone: (708) 946-4832 Fax: (708) 258-6440
www.peotonebank.com
Duane@peotonebank.com

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Duane Carder
Peotone Bank and Trust
200 West Corning Street
Peotone, IL 60468-8982

Return Receipt Requested

2. Article Number
(Transfer from service label)

7000 0520 0015 3475 79

PS Form 3811, August 2001

Domestic Return Receipt

102595-02-M

COMPLETE THIS SECTION ON DELIVERY

Signature

Joyce Werner

☐ Age
☐ Add

B. Received by (Printed Name)

JOYCE WERNER

C. Date of D

1-15

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

Return Receipt

4. Restricted Delivery? (Extra Fee)

☐ Yes

U.S. Postal Service

CERTIFIED MAIL RECEIPT

(Domestic Mail Only: No Insurance Coverage Provided)

01/11/2008

Postage \$

Certified Fee

Return Receipt Fee
(Endorsement Required)

Restricted Delivery Fee
(Endorsement Required)

Total Postage & Fees \$

Postmark
Here

Recipient's Name (Please Print Clearly) (To be completed by mailer)

Mr. Duane Carder / Peotone Bank

Street, Apt. No.; or PO Box No.

200 West Corning Street

City, State, ZIP+4

Peotone, IL 60468-8982

PS Form 3800, February 2000

See Reverse for Instructions

7932 7932 5475 5100 0250 0000



PA: FOREST FIRE DEPARTMENT

156 INDIANWOOD BLVD.

PARK FOREST IL 60466

ROBERT WILCOX, FIRE CHIEF

PHONE (708) 748-5605

COPY

January 10, 2008

Mr. Duane Carder
Peotone Bank and Trust
200 West Corning Street
Peotone, IL 60468-8982

*Sent one copy
regular mail +
one copy certified
on 1/11/2008.*

Re: 381 Blackhawk Drive, Park Forest, IL 60466

Mr. Carder:

On January 4, 2008, at 11:52 p.m., the Park Forest Fire Department responded to a fire alarm at 381 Blackhawk Drive. This call was initiated after a police officer witnessed activated audible/visual devices in the above captioned building. The fire department was dispatched to investigate.

When we arrived at your building, we discovered normal entry could not be made. The door key, secured inside the building's Knox Box, had been changed. I requested a key holder respond, but our fire dispatch had no valid contact information. We made a visual inspection of the exterior and found a missing pane of glass in one of the overhead doors on the west side of the building and made entry through this opening.

The cause of the alarm remains undetermined following our investigation. I attempted several times, unsuccessfully, to reset the fire alarm panel before I shut off the electrical breaker for the fire alarm system.

I am very concerned about several items I witnessed while inside the building. These items pose a serious threat to any firefighters that may need to enter the building during a fire emergency. They also pose a dangerous but attractive nuisance to anyone making entry into your unsecured building. Specifically, the following items were noted:

- There is approximately 3 to 4 inches of standing water in the basement of the building. This water is contaminated with oil.
- The main electrical service is in this basement and is live. This poses an electrocution potential to anyone that steps into the water.
- The sprinkler and fire alarm systems are both out of service.
- Access to the building is easily made through the missing glass pane in the overhead door.
- There is no key in the Knox Box for the entry doors.
- The presence of many drums of old oils and anti-freeze, the existence of which creates a hazardous materials issue.

These items are all violations of the Village of Park Forest's fire codes for vacant structures. Specific code references include:

Section 311.2.1 Security. Exterior openings and interior openings accessible to other tenants or unauthorized persons shall be boarded, locked, blocked or otherwise protected to prevent entry by unauthorized individuals. (IFC, 2003 Edition)

Section 311.2.2 Fire Protection. Fire alarm, sprinkler and standpipe systems shall remain in an operable condition at all times.

Exceptions:

1. When the premises have been cleared of all combustible materials and debris and, in the opinion of the fire code official, the type of construction, fire separation distance and security of the premises do not create a fire hazard.
2. Where buildings will not be heated and fire protection systems will be exposed to freezing temperatures, fire alarms and sprinkler systems are permitted to be placed out of service and standpipes are permitted to be maintained as dry systems (without an automatic water supply) provided the building has no contents or storage, and windows, doors and other openings are secured to prohibit entry by unauthorized persons. *(IFC, 2003 Edition)*

Section 311.3 Removal of Combustibles. Persons owning, or in charge or control of, a vacant building or portion thereof, shall remove therefrom all accumulations of combustible materials, flammable or combustible waste or rubbish and shall securely lock or otherwise secure doors, windows and other openings to prevent entry by unauthorized persons. The premises shall be maintained clear of waste or hazardous materials. *(IFC, 2003 Edition)*

Section 605.1 Abatement of Electrical Hazards. Identified electrical hazards shall be abated. Identified hazardous electrical conditions in permanent wiring shall be brought to the attention of the code official responsible for enforcement of the ICC Electrical Code. Electrical wiring, devices, appliances and other equipment that is modified or damaged or constitutes an electrical shock or fire hazard shall not be used. *(ICC, 2003 Edition)*

Section 506.2 Key Box Maintenance. The operator of the building shall immediately notify the fire code official and provide the new key when a lock is changed or rekeyed. The key to such lock shall be secured in the key box. *(ICC, 2003 Edition)*

Although we want to work with you in the development of an action plan which will address all the issues identified above, it is imperative the following actions be taken immediately. First, the building must be properly secured to prevent unauthorized persons from gaining entry, and second we must be provided an access key for placement in the Knox Box.

Please submit an *Action Plan* for the abatement of the remaining hazards at 381 Blackhawk Drive to me no later than January 22, 2008. Failure to expeditiously abate these hazards may result in the issuance of citations and fines.

Should you have any questions or wish to discuss this matter in greater detail please feel free to contact me 708-748-5605.

Sincerely,



Lt. Michael Wheeler
Fire Prevention Coordinator
Park Forest Fire Department

enclosures: 1

CC: Larrie Kerestes, Park Forest Building Department
Robert Wilcox, Chief, Park Forest Fire Department

PARK FOREST FIRE DEPARTMENT
Prepared: 1/05/08, 35:45
Program: FI200L

Incident Report

Page 1

A CS732 IL 1/04/08 Sta #1 04-2008-0000057-000 NFIRS - 1
FDID State Incident date Station Incident number Basic

B No 8304.00 SAUK TRL TO WILL COUNTY LINE WEST Street address Yes
Alternative location Census tract Location Emergency
381 BLACKHAWK DR, PARK FOREST, IL, 60466
Address

C Alarm system sounded due to malfunction
Incident type

D NONE
Aid given or received

E1	Date	Time	E2 A Shift	1 LAKEWOOD TO WILL COUNTY L
Alarm	1/04/08	23:52:04	Shift	Alarms District
Dispatch	1/04/08	23:53:13		
Enroute	1/04/08	23:54:34		
Arrival	1/04/08	23:57:25		
Controlled	0/00/00	0:00:00		
Last unit cleared	1/05/08	0:11:13		

F Investigate Restore fire alarm system
Primary action taken (1) Additional action taken (2)

G1 Yes	Apparatus	Personnel	No	G2	Losses	Value
Apparatus/ Suppression	1	4	Resource counts	Property	0	0
personnel EMS	1	2	include aid	Contents	0	0
form used other	1	1	received resources			

H1	Injuries	Deaths	H3 None
Fire service	0	0	Hazardous materials release

I Not mixed use J Motor vehicle or boat sales, services, repair
Mixed use property Property use

K1 882 Reporting party 708-481-8000
Name Involvement type Phone number
381 BLACKHAWK DR, PARK FOREST, IL, 60466 *ERROR 0/00/0000 *ERROR*
Address Gender Age Birth date Race

Other VACANT LUBE RENEW
Name Involvement type Phone number Business name
381 BLACKHAWK DR, PARK FOREST, IL, 60466 *ERROR 0/00/0000
Address Gender Age Birth date Race

M MICHAEL WHEELER LT/PM PARAMEDIC 1/04/08
Officer in charge Position or rank Assignment Date

PARK FOREST FIRE DEPARTMENT
Prepared: 1/05/08, 35:45
Program: FI200L

Incident Report

Page 2

=====

A	CS732 IL	1/04/08	Sta #1	04-2008-0000057-000	NFIRS - 9/10
	FDID State	Incident date	Station	Incident number	Apparatus/Personnel

=====

B	Apparatus	Type	Personnel	Use	Action taken	Emergency
	(X) IQ	None	1	Other		No
	Dispatched		1/04/08	23:53:13		

Employee	Assignment	Position	Action taken
58 MATTHEW SMITH	POC	PC FF	

=====

B	Apparatus	Type	Personnel	Use	Action taken	Emergency
	PA61	ALS unit	2	EMS		Yes
	Dispatched		1/04/08	23:53:13		
	Enroute		1/04/08	23:54:36		
	At Scene		1/04/08	23:57:25		
	In Service		1/05/08	0:11:13		

Employee	Assignment	Position	Action taken
9 MARK COTRANO	PARAMEDIC	FF/PM	
22 JOSEPH GRAY	PARAMEDIC	FF	

=====

B	Apparatus	Type	Personnel	Use	Action taken	Emergency
	PE54	Engine	4	Suppression		Yes
	Dispatched		1/04/08	23:53:13		
	Enroute		1/04/08	23:54:34		
	At Scene		1/04/08	23:57:44		
	In Service		1/05/08	0:11:13		

Employee	Assignment	Position	Action taken
12 EDWARD WRIGHT	PARAMEDIC	FF	
20 MICHAEL WHEELER	PARAMEDIC	LT/PM	
32 CORY MURDOCH	FIREFIGHTER	FF/PM	
36 ALBERT MARTINEZ	PARAMEDIC	FF	

=====

PARK FOREST FIRE DEPARTMENT

Incident Report

Page

Prepared: 1/05/08, 35:45

Program: FI200L

```
=====
A  CS732 IL      1/04/08    Sta #1      04-2008-0000057-000
   FDID State    Incident date Station      Incident number      Additional information
=====
```

Business name : NEW VISION LUBE SERV

Day of week : 006 Friday

Method of alarm : 13 PHONE

COMPLETE IF MULTIPLE AGENCIES

AID RECEIVED AGENCY 1 :

AID RECEIVED AGENCY 2 :

AID RECEIVED AGENCY 3 :

AID RECEIVED AGENCY 4 :

AID RECEIVED AGENCY 5 :

AID RECEIVED AGENCY 6 :

AID RECEIVED AGENCY 7 :

AID RECEIVED AGENCY 8 :

PAID ON CALL TONE ACTIVATION : N NO

PARK FOREST FIRE DEPARTMENT
Prepared: 1/05/08, 35:45
Program: FI200L

Incident Report

Page 4

=====

A	CS732 IL	1/04/08	Sta #1	04-2008-0000057-000	
	FDID State	Incident date	Station	Incident number	Narratives

=====

B Narrative type: Incident

Narrative title	Entry date	Entered by employee
DISPATCH COMMENTS	1/04/08	
080000151		
Vicinity alarm		

Narrative title	Entry date	Entered by employee
INCIDENT COMMENTS	1/04/08	20 MICHAEL WHEELER

THE FIRE DEPARTMENT WAS DISPATCHED FOR A FIRE ALARM AT THE VACANT LUBE RENEW OIL CHANGE OCCUPANCY. E54 AND A61 WENT IN ROUTE. U/A, WE FOUND NOTHING SHOWING WITH STROBE ALARMS ACTIVATED. THE KEY INSIDE THE KNOX BOX FAILED TO UNLOCK THE DOOR. WE ENTERED THE BUILDING THROUGH A MISSING GLASS PANE IN A GARAGE DOOR ON THE B EXPOSURE. THE FACP WAS OPEN AND BACKUP AC POWER DISCONNECTED. THERE WAS NO APPARENT CAUSE FOR THE ALARM. THE BASEMENT HAD APPROXIMATELY 3-4 INCHES OF WATER ON THE FLOOR. THE WATER APPEARED TO CONTAMINATED WITH OIL. NUMEROUS TANKS AND DRUMS OF VARIOUS FLUIDS AND OIL WERE IN THE BASEMENT. WE SILENCED THE ALARM AND RESTORED THE FACP. I ADVISED SOUTHCOM TO NOTIFY KEY HOLDER. THIS OCCUPANCY WILL BE TURNED OVER TO FIRE PREVENTION FOR FURTHER ACTION. ALL UNITS RETURNED TO SERVICE.

PARK FOREST FIRE DEPARTMENT

FIRE PREVENTION BUREAU

200 Lakewood Boulevard

Park Forest, IL 60466

Phone: 708-748-5605

Fax: 708-748-4890

11-29-04 - APPENDS TO
BE CLOSED -
RED PAPER ON ALL
Windows - Door Lock
at NOON

VIOLATION NOTICE

Tue Sep 14, 2004

Lube Renew

381 BLACKHAWK DR

PARK FOREST, IL 60466

\$50.00 reinspect fee 10-28-04
IF NOT COMPLETED

reinspect - 10-14-04

reinspect - 11-3-04

An inspection of your facility on Tue Sep 14, 2004 revealed the violations listed below.

ORDER TO COMPLY: Since these conditions are contrary to law, you must correct them upon receipt of this notice. An inspection to determine compliance with this Notice will be conducted on Tue Oct 5, 2004

If you fail to comply with this notice before the reinspection date listed, you may be liable for the penalties provided for by law for such violations.

A reinspection fee of \$50.00 may be assessed for additional inspections beyond Tue Oct 5, 2004 that are necessary to achieve compliance with the Code.

OCT 28th

Violation Code	Article	Division	Page
----------------	---------	----------	------

504.1 PROTECTION MAINTENANCE; General

All fire protection systems that were installed in compliance with any law, ordinance or order, shall be maintained in an operative condition at all times.

1. The fire alarm system is in trouble condition and needs service.
2. The fire alarm system is due for annual inspection and testing. A copy of the inspection report shall be provided to the Fire Prevention Bureau.
3. The sprinkler system is due for annual inspection and testing. A copy of this inspection report shall be provided to the Fire Prevention Bureau.

NC

310.5 ELECTRICAL; Extension cords

Extension cords and flexible cords shall not be a substitute for permanent wiring. Extension cords and flexible cords shall not be affixed to structures; extended through walls, ceilings or floors, or under doors or floor coverings; nor shall such cords be subject to environmental damage or physical impact.

Compl - 11-3-04

1. Remove the extension cord to the television in the waiting area and replace it with permanent wiring in conduit.
2. Remove the orange extension cord to the pop machine and replace it with

**PARK FOREST FIRE DEPARTMENT
FIRE PREVENTION BUREAU**

**200 Lakewood Boulevard
Park Forest, IL 60466
Phone: 708-748-5605 Fax: 708-748-4890**

VIOLATION NOTICE

Tue Sep 14, 2004

Lube Renew
381 BLACKHAWK DR
PARK FOREST, IL 60466

permanent wiring in conduit.

110.1 UNSAFE CONDITIONS; General

Whenever the code official shall find in any structure or upon any premises dangerous or hazardous conditions or materials as follows, the code official shall order such hazardous conditions or materials to be removed or remedied in accordance with the provisions of this code:

- 1 Hazardous conditions liable to cause or contribute to the spread of fire in or on said premises or structure or endanger the occupants thereof;

Reattach the telephone outlet box to the wall in the office.

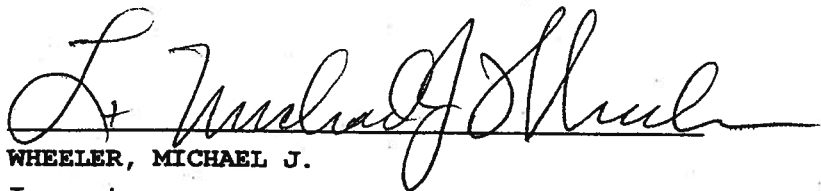
OK 10-14-04

610.2 ILLUMINATION AND SIGNS; Exit signs

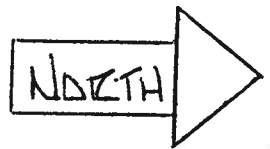
All means of egress shall be indicated with approved "Exit" signs where required by the building code listed in Chapter 44. All "Exit" signs shall be maintained visible, and all illuminated exit signs shall be illuminated at all times that the structure is occupied.

The exit signs are inoperative and need service.

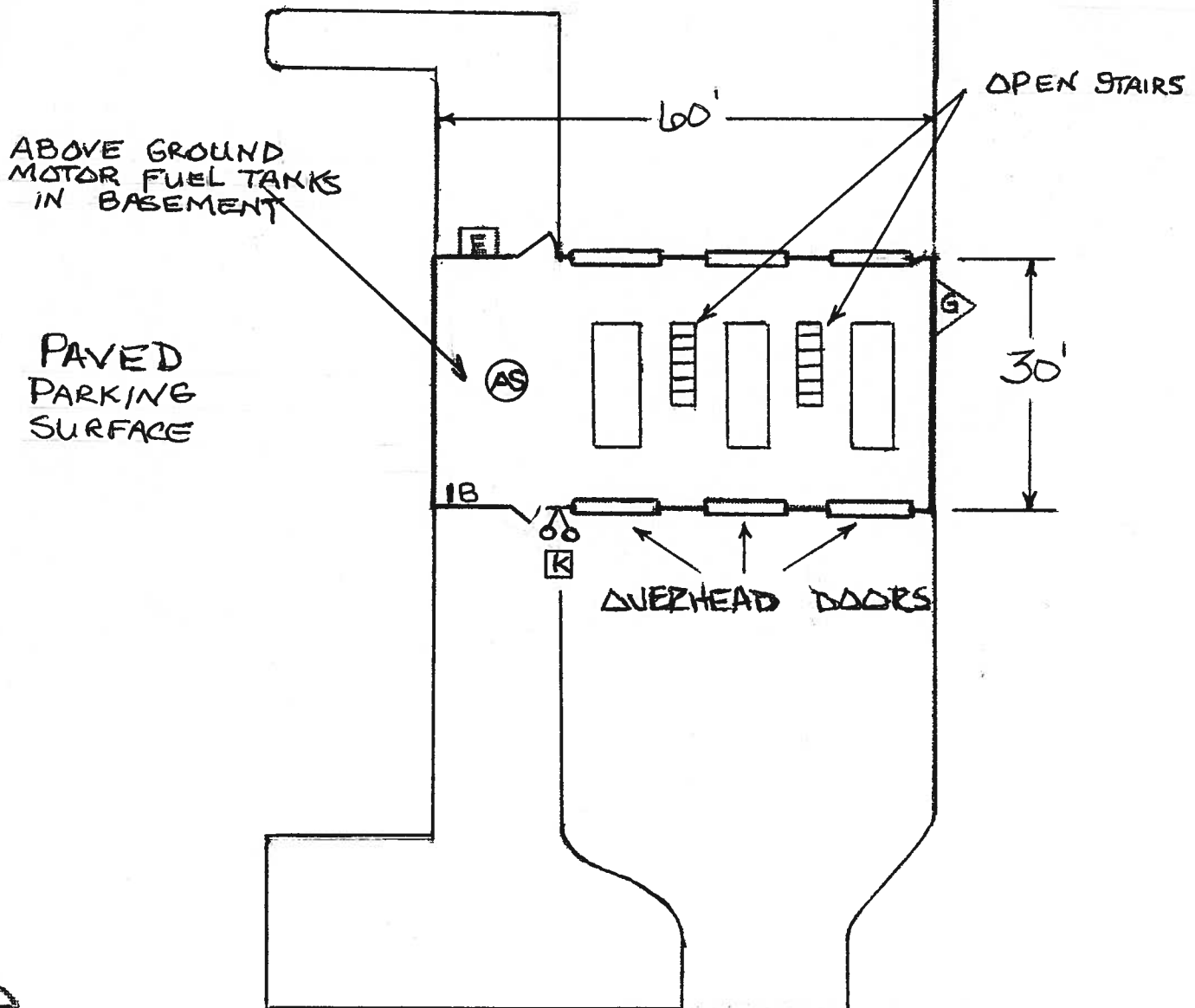
OK 10-14-04


WHEELER, MICHAEL J.
Inspector

LUBE RENEW
381 BLACKHAWK DR



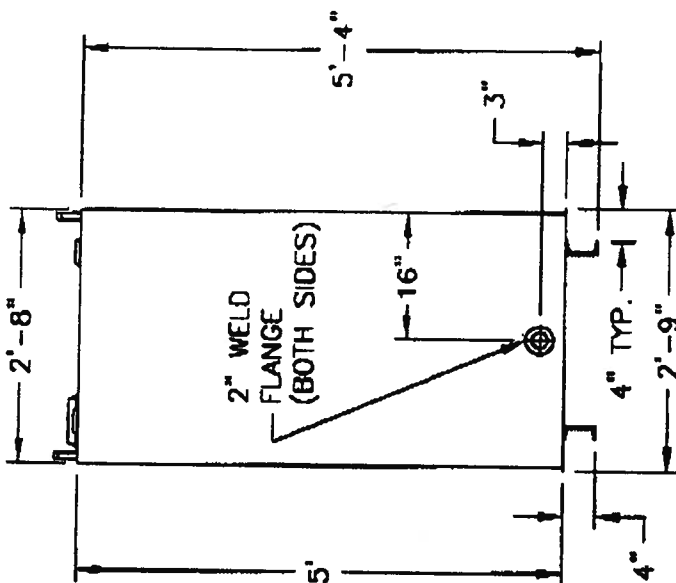
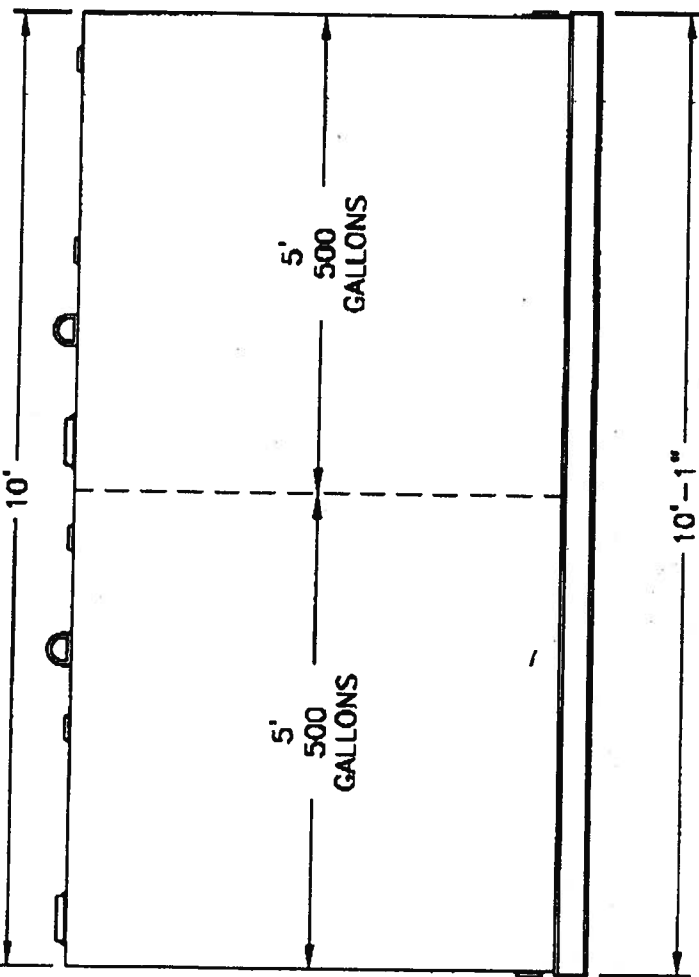
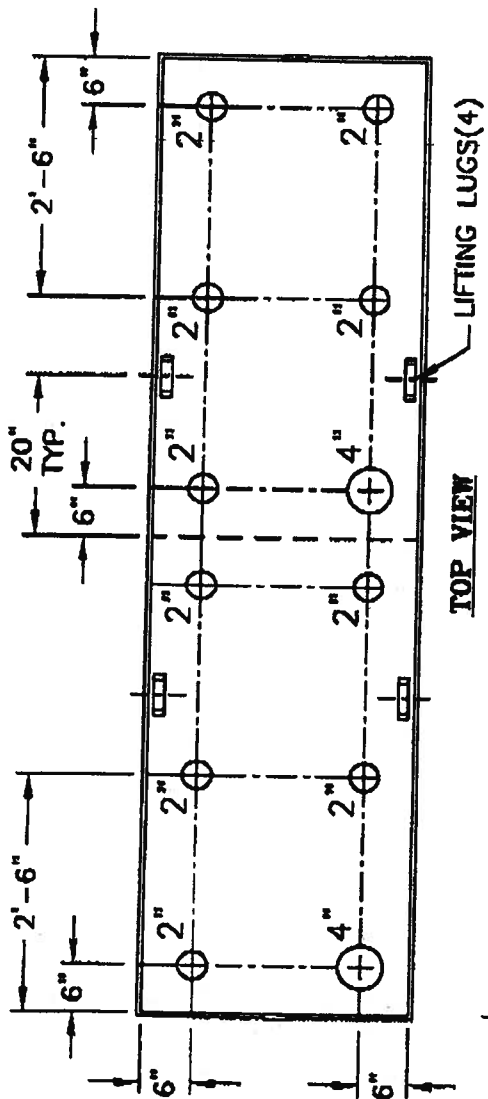
LEGEND	
	ELECTRIC
	GAS
	KNOX BOX
	SPRINKLERED
	FDC



BLACKHAWK DRIVE



Number of Pages 16 (Including This Cover Sheet)



ATTN:

- ☐ APPROVED AS SHOWN
- ☐ REVISIONS AS INDICATED

SIGN:

DATE:

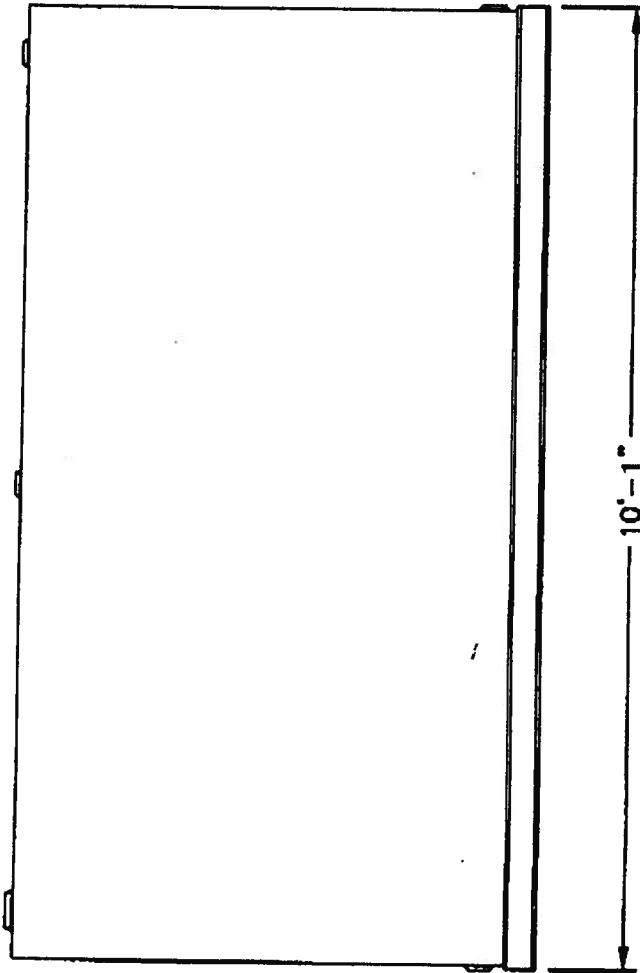
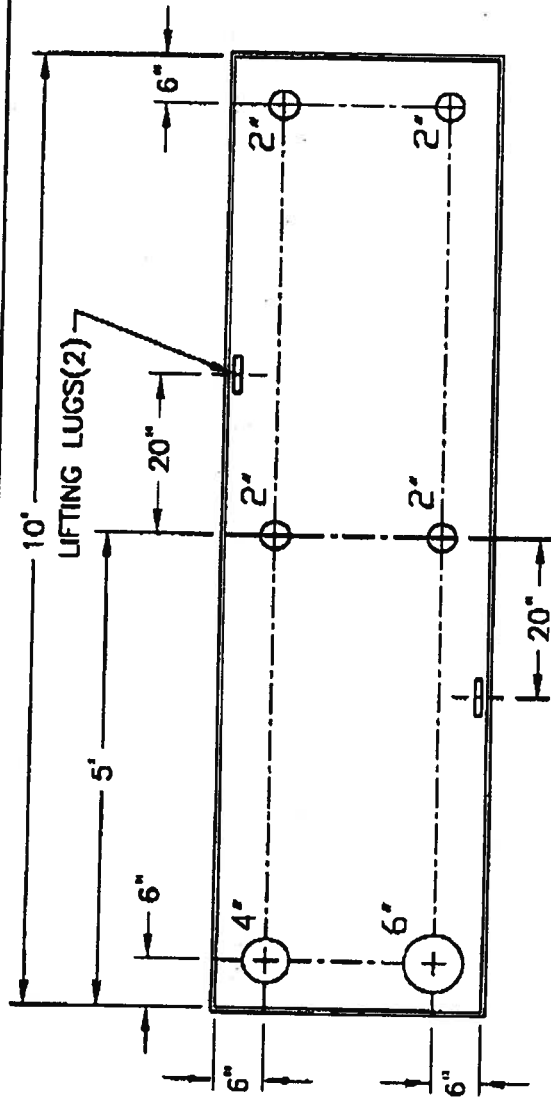
PRODUCT CODE: LCA201MSS104

U/L-142	REV: 1 OF 1
W. EDWARDS	DATE: 10-15-98
REVISED	DATE:

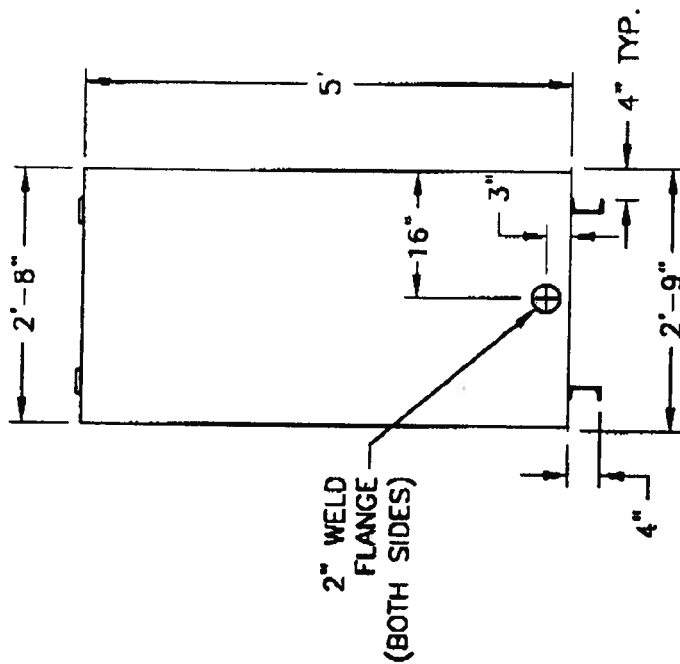
CONTAINMENT SOLUTIONS A DENALI COMPANY	
DESCRIPTION:	1,000 GALLON SW LUBE CUBE DUAL COMPARTMENT
SS105J	SCALE: 1:24

*SEE ORDER ENTRY FOR PAINT & EQUIPMENT.

Lube Spot



ELEVATION



ATTN:

☐ APPROVED AS SHOWN

☐ REVISIONS AS INDICATED

SIGN:

DATE:

PRODUCT CODE: LCA101MSS106

U/L-142	SITE: 1 OF 1
W. EDWARDS	DATE: 6-03-98
REVISION: 000000	DATE:



DESCRIPTION:

JL 1000LC

SCALE: 1:24

THIS DRAWING AND THE DESIGN SHOWN HEREIN IS THE PROPERTY OF THE COMPANY. USE ON OTHERS WITHOUT WRITTEN CONSENT.

*SEE ORDER ENTRY FOR PAINT & EQUIPMENT.

Subpart

1,000 GALLON SINGLE WALL LUBE CUBE



CONTAINMENT SOLUTIONS

A DENALI COMPANY
6740 Baymeadow Drive
Glen Burnie, MD 21060

410-787-0010
Fax: 410-787-0011

LUBE CUBE, BENCH TOP, CATWALK, & UNDER CATWALK SPECIFICATIONS for SINGLE WALL AND/OR SECONDARY CONTAINMENT ABOVEGROUND TANKS FOR FLAMMABLE AND COMBUSTIBLE LIQUIDS NON FIRE RATED

1.0 GENERAL TANK DESCRIPTION:

- 1.1 Lube Cube Aboveground Storage Tanks, for Flammable and Combustible Liquids are designed, constructed, and listed in accordance with Underwriters Laboratories, Inc. Standard UL 142. UL 142 is the standard for Steel Aboveground Tanks for Flammable and Combustible Liquids. The listing shall meet all requirements for atmospheric tanks of The National Fire Protection Association Sections 30, 30A, 31 and The Uniform Fire Code Article 79.
- 1.2 Lube Cube tanks are designed and UL listed as atmospheric tanks with a maximum working pressure of 1 PSI.
- 1.3 The primary tank and the secondary containment tank shall have passed a proof of design hydrostatic pressure test of 25 PSI.
- 1.4 Each single wall Lube Cube tank shall be equipped with five (5) NPT openings, in addition to one for an emergency vent. All secondary containment Lube Cubes shall incorporate the single wall openings plus an additional two (2) NPT openings, for monitoring the interstitial space and an emergency vent. The emergency vents shall be sized per NFPA & UL 142 requirements.
- 1.5 The tank shall be equipped with a minimum two (2) lifting lugs.
- 1.6 The tank Manufacturer shall provide proof (upon request) of a minimum 5 years of manufacturing UL 142 listed rectangular tanks.
- 1.7 Lube Cube tanks include a 1 year warranty.
- 1.8 Threaded PVC plugs in fittings, not water tight.

2.0 PRIMARY STORAGE TANK (SINGLE WALL TANKS)

- 2.1 The primary storage tank shall be rectangular in design.
- 2.2 The welds shall be continuous.

- 2.3 The primary storage tank shall be constructed of ASTM A-569 or A-36 carbon steel, as required for compatibility of product being stored.
- 2.4 The primary tank shall be pressure tested in the factory to UL 142 specifications (3 PSI).
- 2.5 All foreign materials shall be removed from the surface of the tank.
- 2.6 The primary tank exterior shall be painted with 1 coat of shop primer.
- 2.7 The tank shall have a minimum of two (2) support feet.

3.0 SECONDARY CONTAINMENT TANK (DOUBLE WALL TANKS)

- 3.1 The secondary containment tank shall be rectangular in design.
- 3.2 The welds shall be continuous.
- 3.3 The secondary containment tank shall be listed by Underwriters Laboratories as secondary containment under UL 142 standard.
- 3.4 The secondary containment tank shall provide a minimum of 110% secondary containment.
- 3.5 The secondary containment tank shall be equipped with a 2 inch monitoring port and a 4", 6", 8", or 10" emergency vent port as required by Underwriters Laboratories, Inc.
- 3.5 The secondary containment tank exterior and that portion of the exposed primary tank shall be painted with 1 coat of shop primer.
- 3.6 The secondary containment tank shall be pressure tested in the factory to UL 142 specification (3 PSI).



HOOVER CONTAINMENT, INC.
6740 Baymeadow Drive
Glen Burnie, MD 21060

410-787-0010
Fax: 410-787-0011

INSTALLATION OF ABOVEGROUND STEEL STORAGE TANKS

Aboveground Storage Tanks for Flammable and Combustible Liquids are manufactured and tested by Containment Solutions, Inc. in accordance with the requirements of the Underwriter's Laboratories Standard UL 142.

Proper installation is of utmost importance to ensure the expected service and life of the tank. In order to validate the warranty, the following must be performed:

1. Handle tank carefully. Use cables or chains of adequate length (not more than 90 degrees between the chains) attached to lifting lugs provided. Oversize hooks will tear the lift lugs--use shackles, if necessary.
2. For compliance with model fire and building codes, the tank must be tested in the field before filling or use. The inner tank should be pressurized with air to a maximum of 3 PSI. If the tank is a doublewall tank, the inner tank should be pressurized to a maximum of 3 PSI, then the outer tank should be pressurized to a maximum of 2 PSI. The test pressure should be held for one hour. While the tank is holding pressure, brush a water and soap solution on the weld seams.
3. Be sure all drain plugs are secure by applying Teflon tape or pipe dope around plugs.
4. Do not cut or weld on any tank that contains flammable or combustible liquids, or vapors. Fire or an explosion may result.
5. Model fire codes require the installation of emergency and normal vents on the top of the tank. Consult with the local Authority Having Jurisdiction (AHJ) and the fire codes for the proper installation.
6. All installation of aboveground tanks must be approved and inspected by the local AHJ. Contact the local AHJ for the required permits.
7. If a facility has an aboveground oil storage tank that has a capacity greater than 660 gallons, or if the facility has aboveground oil storage tanks with a total capacity greater than 1,320 gallons, the facility must have a Spill Prevention Control and Countermeasure (SPCC) plan. This plan is required by the Code of Federal Regulations, Section 40 Part 112. Consult 40 CFR 112 for the required regulations.

900018

Park Forest Fire Department
Application for Fire Prevention Inspection

APPLICATION DATE 7/8/99	DATE ISSUED	EXPIRATION DATE	FILE NUMBER
APPLICANT Frederick Narsolis	ADDRESS 680 Tall Grass	CITY, STATE AND ZIP CODE Bolingbrook, IL 60440	
PHONE NUMBER (630) 972-1205	FAX NUMBER	PERMIT TYPE	

The above applicant hereby makes application to conduct the following business:

Business Name: Lube Renew

Business Address: 381 Blackhawk Dr. Park Forest 60466

Phone Number: (708) 481-8000

Type of Business: Quick Oil Change Service

Type, Location and Quantities of Hazardous Materials:

Waste oil in containers, will be removed by
future owner. from Makena every 2 weeks
or as needed

I, HEREBY, ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION, THAT THE INFORMATION IN IT IS CORRECT, AND THAT I AM THE OWNER, OR DULY AUTHORIZED TO ACT IN THE OWNER'S BEHALF AND AS SUCH AGREE TO COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE ADOPTED FIRE CODES.

Frederick Narsolis President
 Owner/Agent Title

Status Checklist for Compliance Dates of Specific Permit Requirements.

PLAN APPROVAL:	REAR DOOR SIGNAGE:
KNOX BOX/KEYS IN PLACE:	F.P. SYSTEM APPROVED:
FPB INSPECTION DATE:	FPB FINAL INSPECTION:
MSDS SHEETS RECEIVED:	INSPECTED BY:

Continued on Reverse Side

**Village of Park Forest
Emergency Telephone Number Form**

Dear Business Owner:

Welcome to the Village of Park Forest. To better serve you, we ask that you complete this form with information on persons to be notified (keyholders) in the event there is an emergency.

The persons listed should be trained in what to do in the event they are called upon to reset an alarm, have a window boarded up, repair damage to property, etc.

Owner's Name: Frederick Narsolis, Walter Narsolis
Name of Business: Lube Renew
Address of Business: 381 Blackhawk Dr.
Telephone Number: (708) 481-8000

PERSONS TO BE NOTIFIED IN CASE OF EMERGENCY

1. <u>Frederick Narsolis</u>	Phone Number: <u>(630) 972-1205, (817) 391-288</u>
2. <u>Walter Narsolis</u>	Phone Number: <u>(773) 476-2339</u>
3. _____	Phone Number: _____

Return this completed form to the Building Department.

Please remember to update us if this information changes.

Thank you.

cc: Police Department
Fire Department

RECEIVED JUL - 9 1999

KEYHOLDERS:

Frederick Narsdis (630) 972-1205
Name Telephone
680 Tall Grass Bolingbrook IL 60440
Address

Walter Narsotis (773) 476-2339
Name Telephone
5800 S. Fairfield Chicago, IL 60629
Address

Name Telephone

Address

Name Telephone

Address

ALARM SYSTEM SUPERVISED BY:

Alarm 24 Security Systems Inc. (847) 296-3119
Company Name Telephone
P.O. Box 31197 Chicago, IL 60631-0197
Address City Zip Code

COMMENTS:

☐ Approved

☐ Disapproved Reason for disapproval: _____

Approved by: _____
Fire Official Date

Reviewed by: _____
Fire Chief Date

WEAVER BOOS CONSULTANTS NORTH CENTRAL, LLC
Environmental Site Assessment Questionnaire

Weaver Boos utilizes the following questionnaire as a tool to facilitate the Environmental Site Assessment (ESA) process. Please answer the following questions to the best of your knowledge. You have been selected to answer this questionnaire because you are (1) a current or past owner of the Property, (2) a current or past occupant of the Property, (3) a key site manager with respect to the Property, or (4) a person that may have specific knowledge regarding current or historical operations at the Property and adjoining properties. If you do not know an answer, please select "unknown". If possible and if applicable, please provide additional detail in the "Comments" section.

Weaver Boos requests that the respondent sign the last page of the form which affirms that the respondent has answered all questions to the best of the respondent's actual knowledge and in good faith. Weaver Boos would like to take this opportunity to thank you for your

PROPERTY DATA

Date Completed _____

Property Address _____

City _____ County _____ State _____ Zip _____

Property is _____ Vacant Land _____ Improved

Respondent's Name _____ Relationship to the Property _____

Company _____ Title _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____

1. To the best of your knowledge, is the Property used for an industrial use? If yes, describe the current operations.

Respondent:

Comments:

Yes _____ No _____ Unknown _____

2. To the best of your knowledge, is any adjoining property used for an industrial use? If yes, describe the current operations.

Respondent:

Comments:

Yes _____ No _____ Unknown _____

3. To the best of your knowledge, has the Property been used for an industrial use in the past? If yes, describe the past operations.

Respondent:

Comments:

Yes _____ No _____ Unknown _____

4. To the best of your knowledge, has any adjoining property been used for an industrial use in the past? If yes, describe the past operations.

Respondent:

Comments:

Yes _____ No _____ Unknown _____

5. To the best of your knowledge, is the Property currently used or has formerly been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?

Respondent:

Comments:

Yes _____ No _____ Unknown _____

Lube Shop

If yes, please indicate which type of use and time period: _____

6. To the best of your knowledge, is any adjoining property currently used or has been formerly used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?

Respondent:

Comments:

Yes _____ No _____ Unknown _____

If yes, please indicate which type of use and time period: _____

WEAVER BOOS CONSULTANTS NORTH CENTRAL, LLC
Environmental Site Assessment Questionnaire

7. To the best of your knowledge, are there currently, or to the best of your knowledge have there been previously, any damaged or discarded batteries, or pesticides, paints, or other chemicals in containers of greater than 5 gal (19L) in volume or 50 gal (190L) in the aggregate, stored on or used at the Property?

Respondent:

Comments:

Yes _____ No _____ Unknown _____

0.1 gal in building

8. To the best of your knowledge, are there currently, or to the best of your knowledge have there been previously, any drums (typically 55 gal (208L)) or sacks of chemicals located on the Property?

Respondent:

Comments:

Yes _____ No _____ Unknown _____

9. Did you observe evidence or do you have prior knowledge that fill dirt has been brought onto the Property? If yes, where did the fill dirt originate?

Respondent:

Comments:

Yes _____ No _____ Unknown ☒

10. To the best of your knowledge, are there currently, or have there been previously, any pits, ponds, or lagoons located on the Property?

Respondent:

Comments:

Yes _____ No ☒ Unknown _____

11. Is there currently, or to the best of your knowledge has there been previously, any stained soil on the Property?

Respondent:

Comments:

Yes _____ No _____ Unknown ☒

12. Are there currently, or to the best of your knowledge have there been previously, any registered or unregistered storage tanks (above or underground) located on the Property?

Respondent:

Comments:

Yes _____ No ☒ Unknown _____

13. Are there currently, or to the best of your knowledge have there been previously, any vent pipes, fill pipes, or access ways protruding from the ground on the Property or adjacent to any structure located on the Property?

Respondent:

Comments:

Yes _____ No _____ Unknown _____

14. Is there currently, or to the best of your knowledge have there been previously, any evidence of leaks, spills, or staining by substances other than water, or foul odors, associated with any flooring, drains, walls, ceilings, or exposed grounds on the Property?

Respondent:

Comments:

Yes _____ No _____ Unknown _____

15. Is the Property currently, or to the best of your knowledge has the Property been previously served by a private well or non-public water system?

Respondent:

Comments:

Yes _____ No _____ Unknown _____

16. Is the Property currently, or to the best of your knowledge has the Property been previously served by a septic system?

Respondent:

Comments:

Yes _____ No _____ Unknown _____

WEAVER BOOS CONSULTANTS NORTH CENTRAL, LLC
Environmental Site Assessment Questionnaire

17. Do you have any knowledge of environmental liens or governmental notifications relating to past or recurrent violations of environmental laws with respect to the Property or know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the Property?

Respondent:

Comments:

Yes _____ No ☒ Unknown _____

18. To the best of your knowledge, does the Property discharge waste water (not including sanitary waste or stormwater) on or adjacent to the Property and/or into a stormwater or sanitary sewer system?

Respondent:

Comments:

Yes _____ No _____ Unknown _____

19. To the best of your knowledge, have any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been dumped above grade, buried and/or burned on the Property?

Respondent:

Comments:

Yes _____ No _____ Unknown _____

20. To the best of your knowledge, is there a transformer, capacitor, or any hydraulic equipment on the Property? If yes, do you have any knowledge of records indicating the presence of PCBs?

Respondent:

Comments:

Yes _____ No _____ Unknown _____

21. To the best of your knowledge, can you list any and all known past owners of the property including time period of ownership and use of the property during ownership. Please include any contact information that you may have.

22. To the best of your knowledge, can you list any and all known past occupants of the property including time period of occupancy and use of the property during occupancy. Please include any contact information that you may have.

23. To the best of your knowledge, can you list the structures currently present on the property including age, dates of renovations (if any), size and building materials.

24. To the best of your knowledge, can you list the structures formerly present on the property (if any) including age, dates of renovations (if any), size and building materials.

25. To the best of your knowledge, can you list the current providers of the following utilities at the property (if applicable): drinking water, sanitary sewer, stormwater runoff, electricity, heat source, and telephone.

WEAVER BOOS CONSULTANTS NORTH CENTRAL, LLC
Environmental Site Assessment Questionnaire

To the best of your knowledge, do you know if any of the environmental documents noted below exist for the Property:

• Prior environmental assessment or audit reports

Respondent:

Yes ☒ No ☐ Unknown ☐

• Environmental permits

Respondent:

Yes ☐ No ☐ Unknown ☐

• Material Safety Data Sheets (MSDS)

Respondent:

Yes ☐ No ☐ Unknown ☐

• The property's community right-to-know plan

Respondent:

Yes ☐ No ☐ Unknown ☐

• Spill prevention and other safety/preparedness plans

Respondent:

Yes ☐ No ☐ Unknown ☐

• Reports regarding hydrogeologic conditions on the property and/or the surrounding area

Respondent:

Yes ☐ No ☐ Unknown ☐

• Hazardous waste generator notices or reports

Respondent:

Yes ☐ No ☐ Unknown ☐

• Geotechnical studies

Respondent:

Yes ☐ No ☐ Unknown ☐

RESPONDENT INFORMATION

Name

Title

Firm

Address

Phone Number

Relationship to the Property

Date

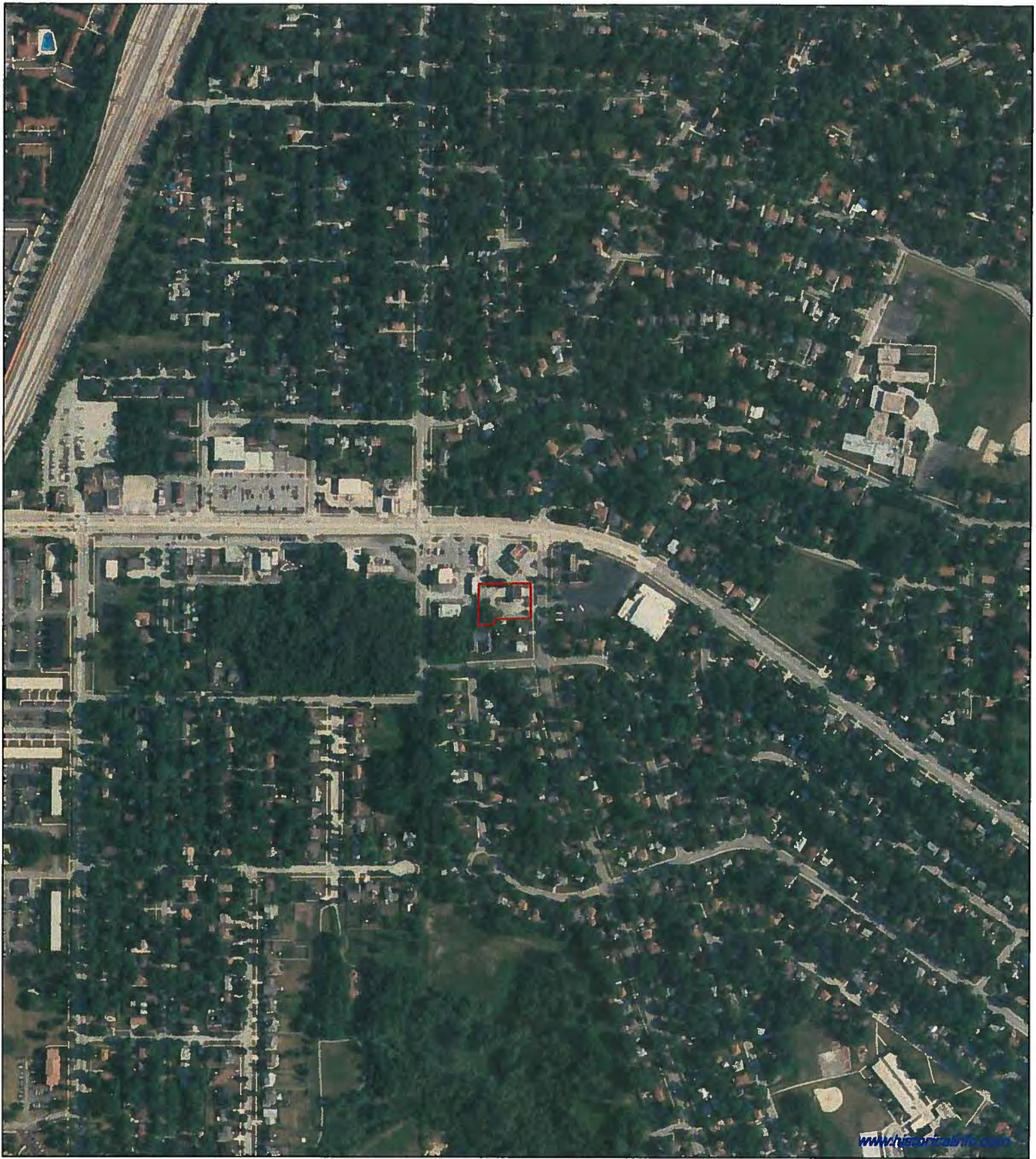
I believe that the above statements and facts are true and correct to the best of my actual knowledge and that no material facts have been suppressed or misstated.

Print Name

Signature Date

Respondent

APPENDIX F
HISTORICAL RECORDS DOCUMENTATION



www.historicalinfo.com



— APPROX. SITE LOC.

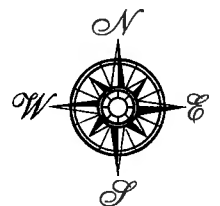
Park Forest Site
379-381 Blackhawk Drive
Park Forest, IL

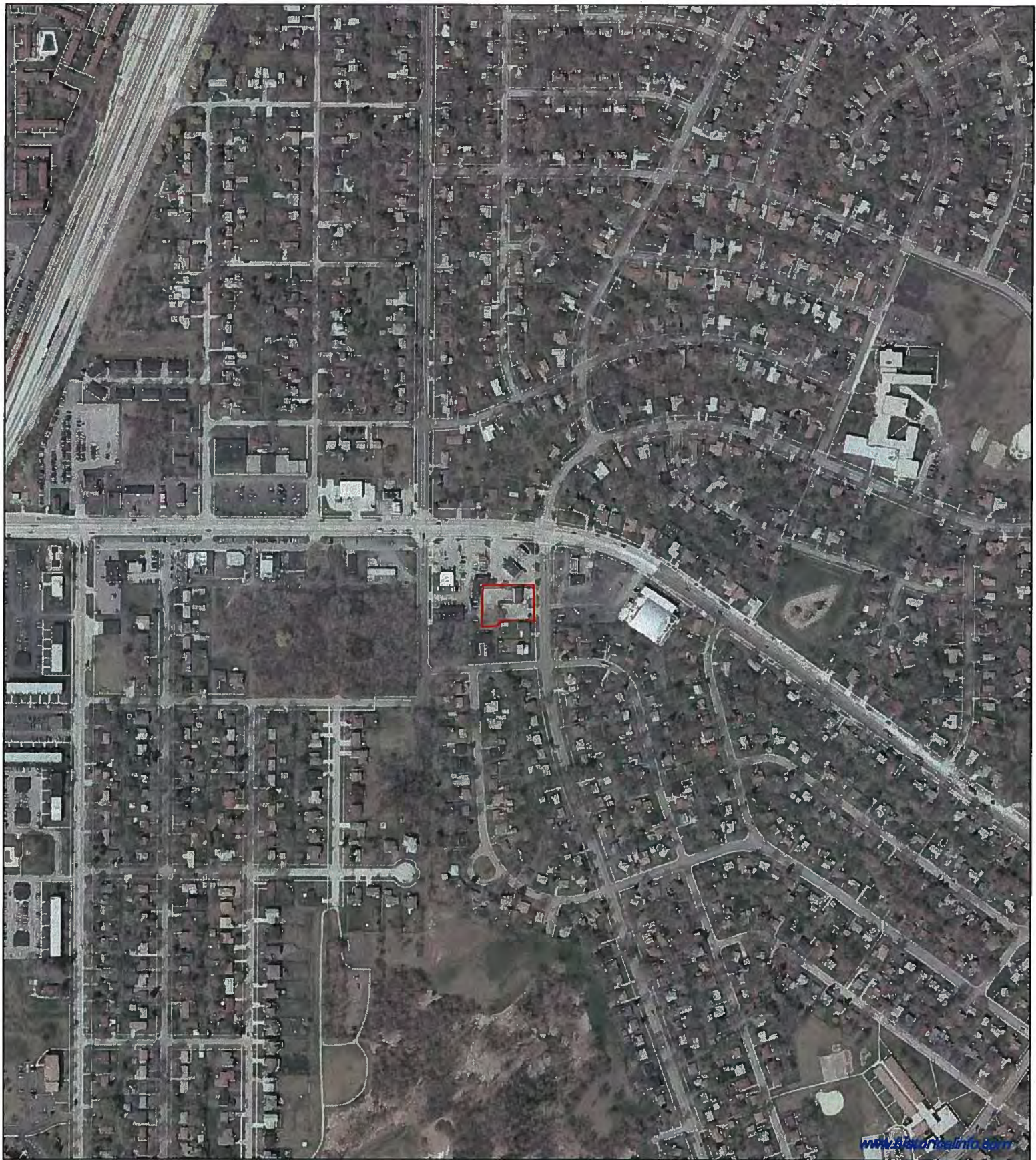
2009

HIG Project Number: MBB-1157

Client Project Number:

Approximate Scale 1:6000 (1"=500')





www.Alsortelinfo.com



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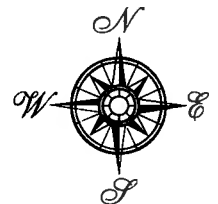
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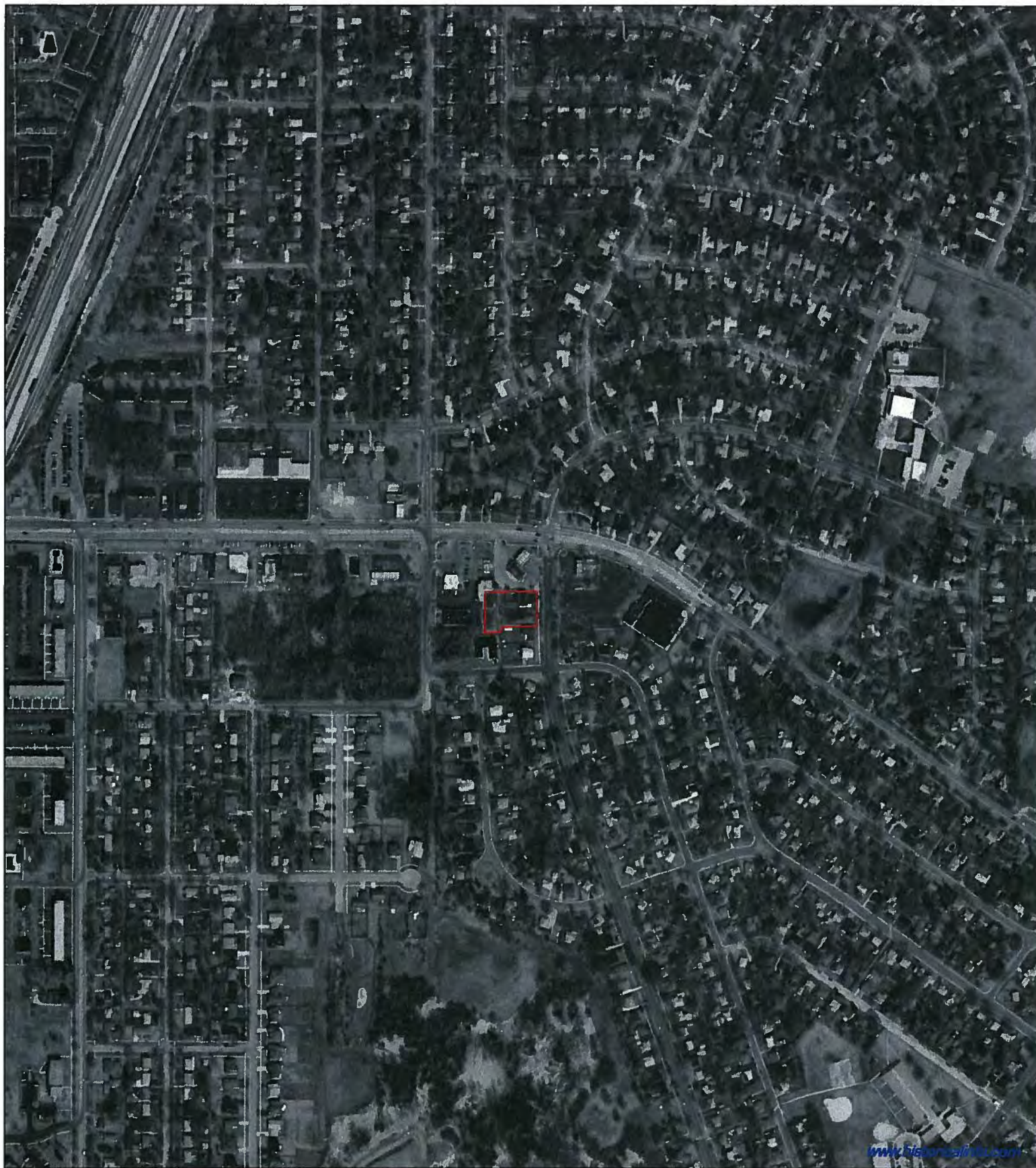
2005

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Client Project Number:

Approximate Scale 1:6000 (1"=500')





www.historicalgatherers.com



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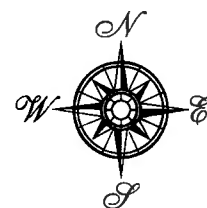
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Park Forest, IL

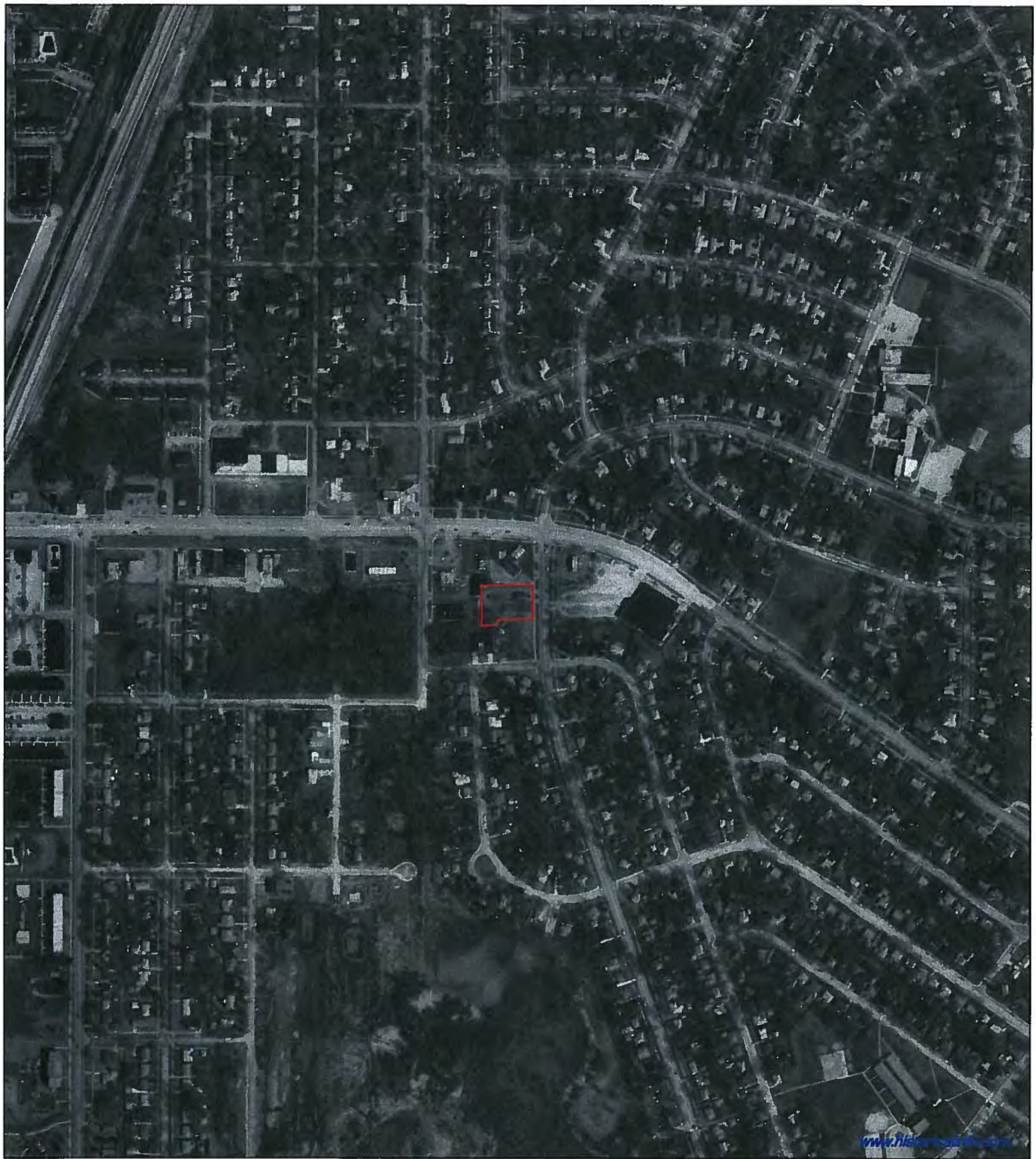
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Client Project Number:

Approximate Scale 1:6000 (1"=500')





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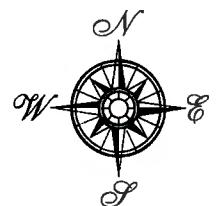
Park Forest Site
379-381 Blackhawk Drive
Park Forest, IL

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Client Project Number:

Approximate Scale 1:6000 (1"=500')





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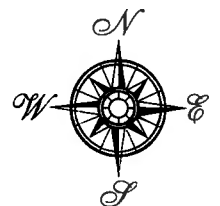
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379-381 Blackhawk Drive
Park Forest, IL

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HIG Project Number: MBB-1157

Client Project Number:

Approximate Scale 1:6000 (1"=500')





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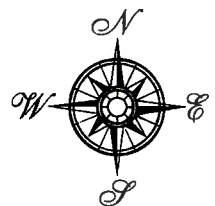
Park Forest Site
379-381 Blackhawk Drive
Park Forest, IL

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Client Project Number:

Approximate Scale 1:6000 (1"=500')





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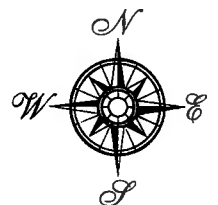
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Park Forest, IL

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Client Project Number:

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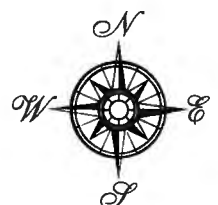
Park Forest Site
379-381 Blackhawk Drive
Park Forest, IL

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Client Project Number:

Approximate Scale 1:6000 (1"=500')





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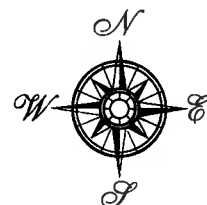
Park Forest Site
379-381 Blackhawk Drive
Park Forest, IL

1970

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Client Project Number:

Approximate Scale 1:6000 (1"=500')





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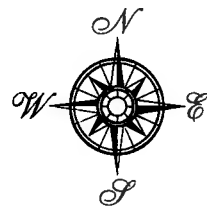
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Park Forest, IL

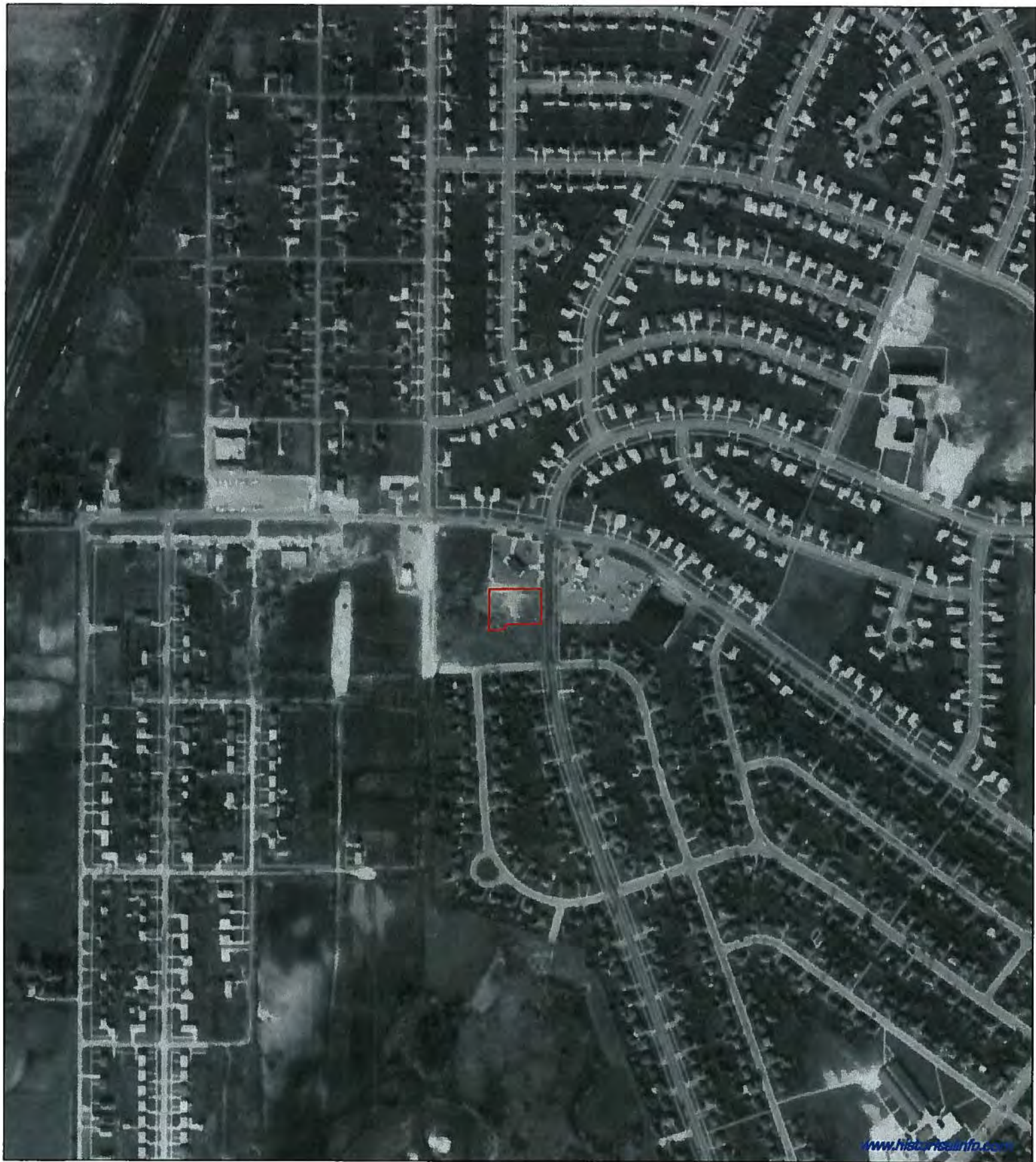
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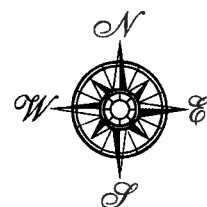
Park Forest Site
379-381 Blackhawk Drive
Park Forest, IL

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Client Project Number:

Approximate Scale 1:6000 (1"=500')





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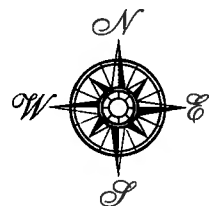
Park Forest Site
379-381 Blackhawk Drive
Park Forest, IL

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Client Project Number:

Approximate Scale 1:6000 (1"=500')





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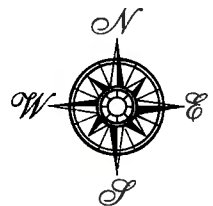
Park Forest Site
379-381 Blackhawk Drive
Park Forest, IL

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HIG Project Number: MBB-1157

Client Project Number:

Approximate Scale 1:6000 (1"=500')





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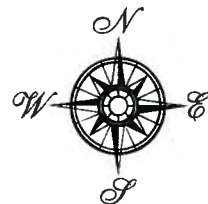
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379-381 Blackhawk Drive
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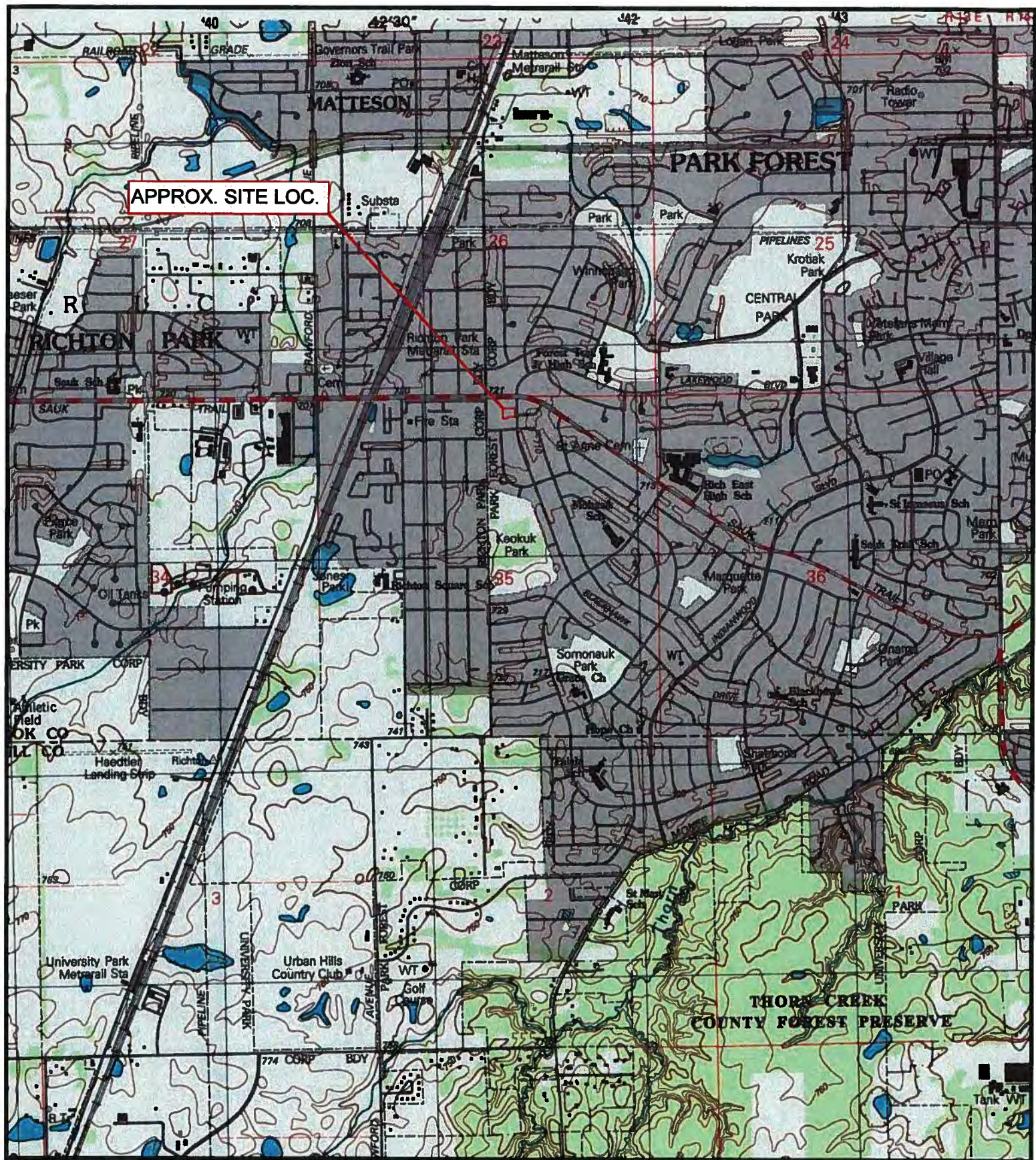
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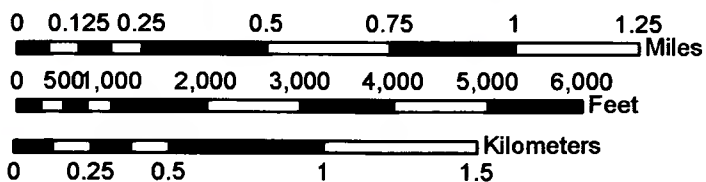




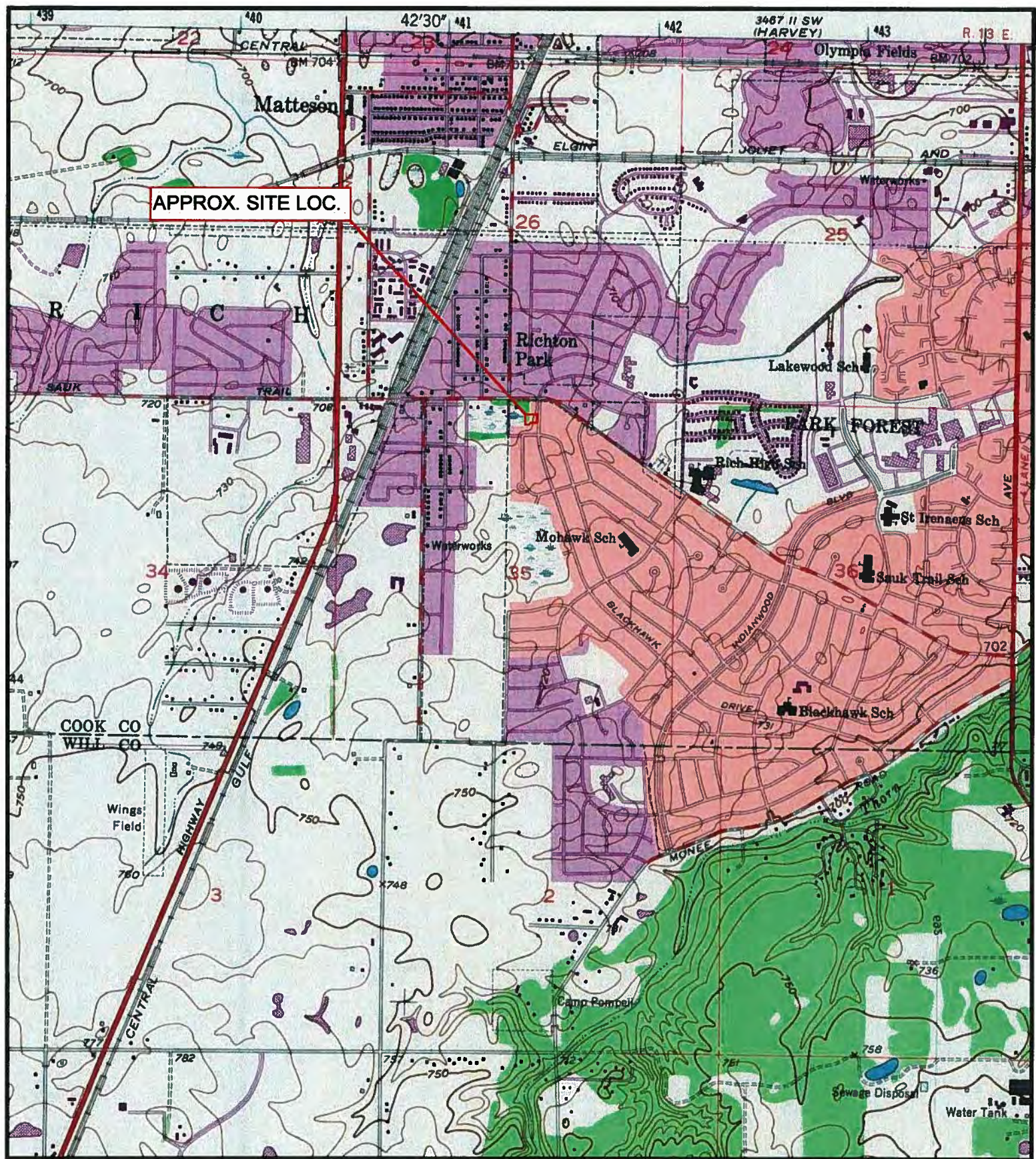
UNITED STATES GEOLOGICAL SURVEY 7.5 MINUTE SERIES TOPOGRAPHIC MAP 1:24,000 SCALE



HISTORICAL
INFORMATION
GATHERERS, INC.



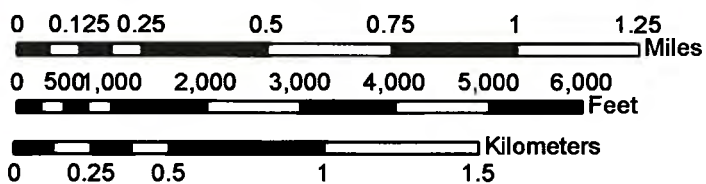
STEGER, ILLINOIS
1998



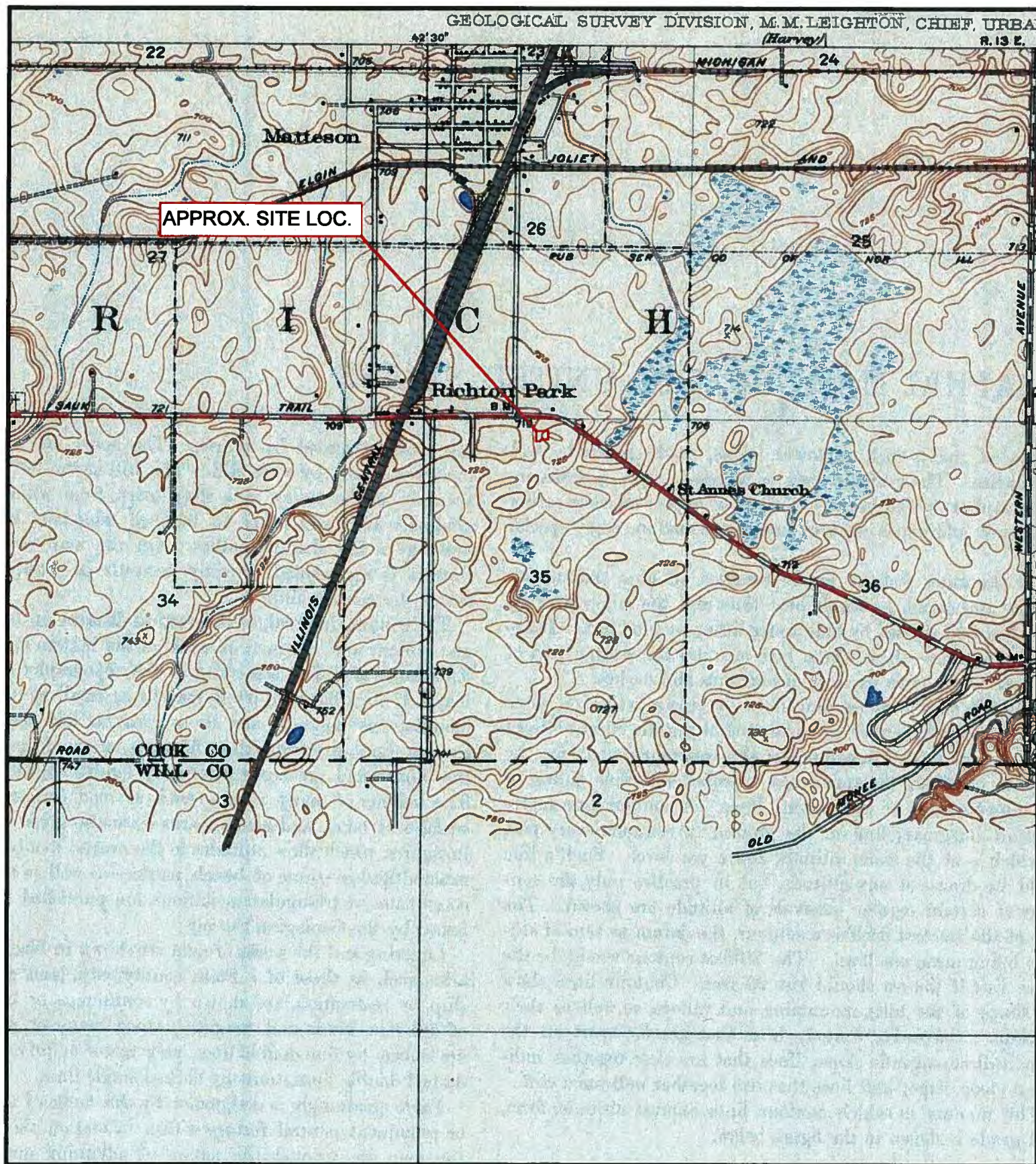
UNITED STATES GEOLOGICAL SURVEY 7.5 MINUTE SERIES TOPOGRAPHIC MAP 1:24,000 SCALE



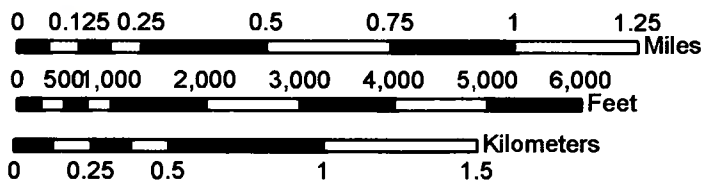
HISTORICAL
INFORMATION
GATHERERS, INC.



STEGER, ILLINOIS
1973



UNITED STATES GEOLOGICAL SURVEY 7.5 MINUTE SERIES TOPOGRAPHIC MAP 1:24,000 SCALE



STEGER, ILLINOIS
1930



FIM+ Report

Site Location

Park Forest Site
379-381 Blackhawk Drive
Park Forest, IL

HIG Project No. MBB-1157

Conducted For

Weaver Boos Consultants
1813 N. Mill Street
Naperville, IL

Client Project No.

The Fire Insurance Maps Plus Report (FIM+ Report) is a summary of research conducted by Historical Information Gatherers, Inc. (HIG) for the locations of fire insurance maps and similar land use maps for the property noted above under Site Location ("the Site"). The **Results Summary** section provides a numbered list of each map publication that has been prepared for the general area of the Site. **Site Coverage** and **Research Notes** give details related to the maps researched by HIG for this report. Complete information about how to access the map collections is included in the **Map Detail** pages which follow the Report Summary. All FIM+ Maps provided by HIG are based on source material which has passed into the public domain (not protected by copyright). The information in this FIM+ Report regarding map publications was compiled by others from numerous sources and HIG cannot warranty its accuracy. HIG has edited data from these sources when it was believed to be erroneous based on research conducted by HIG.

FIM+ Report and FIM+ Maps ©2010 Historical Information Gatherers, Inc. The purchaser of this report is permitted to include copies as supporting documentation for their professional services for the Site. All other rights reserved.

No fire Insurance or other similar maps were identified for the named city.

Map Format Information

Fire insurance maps may be found in a variety of formats including paper, microfilm, or digital, which could be in color, grayscale, or black and white.

Paper fire insurance maps are usually original color publications, though a few were produced in black and white. Updates to these maps were drawn on paper, cut to fit the area to be updated, and then glued to the original. It is sometimes possible to see the original map lines and text through the overlying update. Some of the paper map collections listed in the FIM+ Report are reproductions which are grayscale or black and white. If paper maps are known to be reproductions, this information is included in the FIM+ Report.

Microfilm reproductions of fire insurance maps are almost always in grayscale format, although it is frequently referred to as black and white. A very small amount of color microfilm of fire insurance maps has been produced and is noted in the FIM+ Report when applicable.

Digital copies of fire insurance maps may be in color, grayscale, or black and white, depending on the original source material and the scanning equipment used.

- **Color** scans generally capture all the information depicted on the maps.
- **Grayscale** scans generally capture most the information depicted on the maps and may also allow a researcher to distinguish color variations because each pixel in the image is one of 256 shades of gray.
- **Black and white** scans have no color variations. Because of this, some data from the original map has been lost either by being so light that it disappears from the image altogether, or by being so dark that parts of the image become very dark and unreadable.

Scan quality: Color and grayscale scans may allow the researcher to see and interpret data that was present on the original paper map which underlies the pasted on revisions that were glued to the original map pages; black and white scans have lost this along with other details.

Scan files: Common file types for digital maps are PDF, JPG, SID, TIF, ECW, and JPG 2000, some of which require special software for viewing. Black and white scans have a very small file size while color and grayscale images are generally much larger.

Map Type: **Fire Insurance** maps were prepared for insurance underwriters to assess risk. They have very detailed information about building structures, tanks, and production processes in commercial facilities, and may show lot lines. **Real Estate Atlases** (sometimes called Plat Maps), are frequently mistaken for Fire Insurance maps as they have a similar look of showing building footprints and lot lines, but they show far less detail. **Panoramic Maps** may be a drawing or photograph mosaic from a bird's eye view.

Description of Major Collections

HIG's Public Domain Fire Insurance Maps

By utilizing its exclusive database, *Copyright Records of the Sanborn Map Co. 1923-1992* and through additional copyright research, HIG has built a digital collection of fire insurance and other similar maps which have passed into the public domain. The collection includes maps from numerous publishers including Sanborn, Rascher, Hopkins, Baist, Foote, Robinson, and more. Images include color scans of original maps or grayscale scans of microfilmed maps which have been digitally enhanced for readability. Digital images and reprints may be ordered from HIG.
<http://www.historicalinfo.com>

Library of Congress

The Library of Congress Geography and Map Division (LC) has the largest collection of original color fire insurance maps for the United States, produced by a number of different publishers. It is composed primarily of maps submitted for copyright along with working (revised) copies donated by the Census Bureau and others. A small number of maps have also been purchased by the library. In 1981, the LC published a book which listed the library's holdings at that time entitled *Fire Insurance Maps in the Library of Congress: plans of North American cities and towns produced by the Sanborn Map Company: a checklist*. Maps produced by other publishers were not included in this book. More than 400 volumes of fire insurance maps have been added to the LC collection since 1981; these have not yet been catalogued. In addition to printed maps, the LC also holds complete collections of Chadwyck-Healey and University Publications of America microfilm and subscribes to the Proquest digital collection, all of which are discussed below.

Chadwyck-Healey microfilm

Chadwyck-Healey, Inc. microfilmed the Library of Congress collection of fire insurance maps produced by the Sanborn Map Co. beginning in 1983 and released the imagery in 2 editions. The first edition covers maps dated 1867-1950; the second edition covers maps from 1950-1970. The maps are organized by state in the same order as the LC checklist published in 1981, excepting that the two editions of microfilm are separate. This grayscale microfilm is widely available in libraries for viewing, but is not available for sale to the general public. The first edition is more commonly available than the second.

Proquest's Digital Sanborn Maps

Proquest created a collection called *Digital Sanborn Maps 1867-1970* which is a collection consisting of black and white scans of the Chadwyck-Healey microfilm. Libraries and government agencies can subscribe to the Proquest collection, but not businesses or private individuals. Proquest subscriptions are by available by state and the subscribing library can also choose whether or not to allow users remote access to the collection. A number of libraries throughout the country subscribe to all 50 states but not all allow remote access to the Proquest collection. All subscribing libraries permit public access to the Proquest collection on a walk in basis. Many libraries permit registered users to access the Proquest collection remotely via the internet. Requirements to be a registered user vary from library to library. Proquest's description of this collection is found at:

<http://www.proquest.com/en-US/catalogs/databases/detail/sanborn.shtml>

Sanborn Library, LLC

The Sanborn Library, LLC was created by Environmental Data Resources (EDR) after its acquisition of the Sanborn Map Co. in 1996. Their collection consists primarily of black and white scans of Chadwyck-Healey and University Publications of America microfilm, with some additional coverage obtained from libraries or through the continued updating of maps. Some original color maps are still in the collection, but a catalog of holdings is not publically available. There is the single largest collection of maps produced by Sanborn. The collection is not directly accessible, though scanned images and reprints may be ordered through EDR.

<http://www.edr.com/index.php>

University Publications of America microfilm

In 1993, prior to its acquisition by EDR, the Sanborn Map Company allowed University Publications of America (UPA; now owned by LexisNexis) to microfilm their holdings. This collection, entitled *Fire Insurance Maps from the Sanborn Map Company Archives*, contains maps which are typically revised to a later date than the Chadwyck-Healey collection. This grayscale microfilm is available for purchase by the general public. It is sold by the roll, with discounts available for whole states. Information about purchasing this microfilm is available at:

<http://academic.lexisnexis.com/upa/upa-subject-area.aspx?pid=1852&type=AS&parentid=1850>

Known Proquest Subscriptions for Illinois Maps

Library of Congress - Geography & Maps, Washington, D	
Remote Access Notes: No Remote Access - in house only	
University of Miami, Coral Gables, FL	http://www.library.miami.edu/search/resources/research.php?alpha=S
Remote Access Notes: Students, Staff only	
University of Iowa Libraries, Iowa City, IA	http://www.lib.uiowa.edu/maps/SanbornMaps.html
Remote Access Notes: Students, Staff only	
Southern Illinois University - Carbondale, Carbondale, IL	http://www.lib.siu.edu/resources/databases/subjectcat
Remote Access Notes: Students, Staff only	
Chicago Public Library, Chicago, IL	http://www.chipublib.org/cplbooksmovies/research/database_atoz.php
Remote Access Notes: Local Library card needed	
IIT Galvin Library, Chicago, IL	http://library.iit.edu/databases/
Remote Access Notes: Students, Staff only	
University of Chicago, Chicago, IL	http://resources.lib.uchicago.edu/V?func=find-db-1
Remote Access Notes: Students, Staff only	
University of Illinois - Chicago, Chicago, IL	http://www.uic.edu/depts/lib/reference/resources/electronicresources.shtml
Remote Access Notes: Students, Staff only	
Elmhurst College Buehler Library, Elmhurst, IL	http://library.elmhurst.edu/pages/research_and_resources/electronic_journals_and_databases/
Remote Access Notes: Students, Staff only	
Northwestern University Library, Evanston, IL	http://www.library.northwestern.edu/map/mapillinois.html
Remote Access Notes: Students, Staff only	
Cook Memorial Public Library District, Libertyville, IL	http://www.cooklib.org/Research/Geology.htm
Remote Access Notes: No Remote Access - in house only	
Illinois State University Library, Normal, IL	http://www.libraryilstu.edu/resources/
Remote Access Notes: Students, Staff only	
Trinity Christian College, Palos Heights, IL	http://www.tmtv.edu/library/findanarticle.html
Remote Access Notes: Students, Staff only	
Bradley University, Peoria, IL	http://library.bradley.edu/indexes/all-title.shtml
Remote Access Notes: Students, Staff only	
Shawnee Community College Library, Ullin, IL	http://www.shawneecc.edu/library/olineresourcedir.asp
Remote Access Notes: Students, Staff only	
Governors State University, University Park, IL	http://www.govst.edu/library/t_gsu_library.aspx?id=1907
Remote Access Notes: Students, Staff only	
University of Illinois - Champaign, Urbana, IL	http://www.library.uiuc.edu/om/
Remote Access Notes: Students, Staff only	
Indiana University - Bloomington, Bloomington, IN	http://www.libraries.iub.edu/index.php?pageid=1044&mode=alpha&letter=ALL
Remote Access Notes: Students, Staff only	
University of Indiana Northwest, Gary, IN	http://www.iun.edu/~lib/databases/
Remote Access Notes: Students, Staff only	
Harvard University Pusey Library, Cambridge, MA	http://e-research.lib.harvard.edu/V/9SAEHU1IS4AIVHU/YKTSRICA77GP5VJ7UUUSLPYJ5MQVVKHULPF-047087func=find-db-1
Remote Access Notes: Students, Staff only	
Smith College Neilson Library, Northampton, MA	http://www.smith.edu/libraries/research/e-z/
Remote Access Notes: Students, Staff only	
University of Michigan, Ann Arbor, MI	http://searchtools.lib.umich.edu/V?func=find-db-1
Remote Access Notes: Students, Staff only	

Saint Louis County, MO, Saint Louis, MO Remote Access Notes: Local Library card and local address	http://www.slc.org/databases/genealogy.htm
Princeton University Library, Princeton, NJ Remote Access Notes: Students, Staff only	http://library.princeton.edu/catalog/articles.php
Cornell University Olin Library, Ithaca, NY Remote Access Notes: Students, Staff only	http://www.library.cornell.edu/olin/oln/oln/maps/sanborn.htm
Syracuse University, Syracuse, NY Remote Access Notes: Students, Staff only	http://library.syr.edu/research/database/index.html
Temple University Library, Philadelphia, PA Remote Access Notes: Students, Staff only	http://library.temple.edu/articles/subject_guides/sov_docs_maps_lap.jsessionid=D2C5C49F802FB458FD7A3322A085B446?bhcp=1
University of Virginia Library, Charlottesville, VA Remote Access Notes: Students, Staff only	http://fisher.lib.virginia.edu/collections/maps/sanborn/
Seattle Public Library, Seattle, WA Remote Access Notes: Local Library card needed	http://www.spl.org/default.asp?pageID=collection_db_list&dbPage=18

STONE AVE 60458

BLACKSTONE AVE 60458 JUSTICE

WEALTH CODE 6

7150

*CARADON Robert

709-456-3767

2

7152

*WILDMUT Nita

709-456-4149

14

7154

FREEMAN Robin J.

709-554-6227

7

MILLIAN Pamela

16

7165

*SMITH John

OO

14

7166

*MORSE Anthony

709-728-6131

6

SMITH Richard

10

7195

*ALEXIS Jeffrey

OO

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X

OAK GROVE AVE

7200

*DYKAR Kathleen

709-453-8031

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*DYKAR Robert

709-453-8037

2

7205

*BLAND David A

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7206

*JONES Joe E

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7207

*MCNAUL Nicholas

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7215

*SKEED Thos

OO

3

7221

KOON

OO

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*SHINDLER William

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*MCNEY L K

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*CHUCKIE Aaron

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*MAVO Pamela

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*KLUSSORZ Vince

709-781-0817

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*DUBBS Marie

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*CARLOW Candice

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*RUSSELL Debra

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*SERAFINO Steven

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7437

*HARRINGTON Lester Jr

709-459-0011

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7441

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OO

7442

*PECZONKA Michael J

709-459-3387

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7445

*SAMRAK Zane

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7446

*PATRYA TORRE Jose

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7448

*PARA Jan

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7451

*KOSZYCKIYN Joseph

OO

*JOYCHAK Bob

709-458-5214

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91 RES

41 RES

BLACKSTONE AVE 60426 MARKHAM

WEALTH CODE 6

3600

*HAPP Jim

709-596-1389

3

3601

*GORDON Lucinda

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3602

*KORNOH Henrietta

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ZAKORA D

709-526-1485

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3606

*HOCKEY Richard

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3610

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OO

3621

*HOLLA Cezile

709-625-1761

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3623

*KORNOH Joyce

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3624

*SAYARATH Gnanasoot

709-531-2337

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3627

*MOSEY Edie

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3632

*HATTANAKONE S

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3633

*KORNOH Barbara M

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*HENRY William

709-328-8661

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3639

*DEBOLD R

OO

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LAWNDALE AVE

3702

*FIELD Elaine

OO

3703

*DEMONTEGOMERY Roger

709-598-9001

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3708

*NAGEL Ron A

709-331-7981

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3709

*KOSAL Matthew

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3714

*KORNOH Joyce

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3715

*SMITH Paul

OO

3720

*GARCIA Anthony T

709-333-4543

0

3723

*PALVY Richard

709-586-1146

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3728

KOON

OO

3729

*KORNOH Brent

OO

3737

*NAGEL Barbara

709-333-6669

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3737

*PENG Charles

OO

BLACKSTONE	60406 CONT
157 POLLETTA Mark	708-746-5073
158 WALMER C	708-500-1094
159 PATCHETT Tim	708-500-1094
160 XXXX	OO
161 POLONENKO Leonard	708-747-8229
162 SAMIC Edouard	708-747-8229
163 JOURNAL	708-747-8229
164 NORMAN Robert	708-747-8229
165 LEE Donna	708-748-1182
166 LORER Ruth	708-747-8474
167 BOBO Richard	708-747-8411
168 GIVENS Michele	708-747-8411
169 PETERSON David	708-481-1030
170 PETERSON David	708-503-1054
171 XXXX	OO
172 INDIANWOOD BLVD	708-747-1030
173 SHOP MART PARK	708-747-1030
174 FIRST	708-747-1030
175 ALLEN M K	708-747-1030
176 SCHULF Richard	708-747-1030
177 XXXX	OO
178 XXXX	OO
179 WOLFE DENNIS JR	708-746-6382
180 FASOR PIZZA	708-747-7070
181 CHRISTIAN CHILDREN	708-603-0028
182 CENTER	708-746-1843
183 TOWER CLEANERS	708-746-1843
184 HURON	708-746-6886
185 HANES Harold D	708-746-6886
186 XXXX	OO
187 XXXX	OO
188 PAULOS Paul	708-746-9114
189 GATZA JAMES W DC	708-481-1715
190 PARK FIRST CHURCH CTR	708-481-1715
191 TRISTEN DAVID DC	708-481-1715
192 WILLIAMS JULIE L DC	708-481-1715
193 JUNT MARTINS	708-747-8730
194 YOUTH	708-747-8730
195 XXXX	OO
196 HAMILTON Raul C	708-747-4210
197 MINOQUA	708-503-0054
198 SOMONAUK	708-503-0054
199 SCHEIDT Kevin J	708-503-0054
200 XXXX	OO
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BLACKSTONE E	60418 CONT
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BLACKSTONE N	60418 CONT
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	BLACKSTONE AV	60418 CONT
	HUGHES Howard D	708-841-0138
	14507 HARRINGTON Barbara J	OO
	14508 HADJEE Hyacin	OO
	14509 HARRIS Charles E	OO
	14510 HOLLINS Ron F	708-201-1414
	14511 HODSON Aaron P	OO
	14515 HADZADAKIS James	OO
	14516 HODGE	OO
	X KASTEN DR	
	X 146TH E	
	14604 HARKMEYER Jas R	708-849-8830
	14609 HARTWIGT Benjamin J	708-846-3823
	14610 HARTWIGSTON Marlenea	OO
	14611 HEDD Odelia	OO
	14618 HELLY Troy E	708-848-8502
	14619 HEDDORIE M	708-841-4243
	14622 HATCH Harold	708-848-4869
	14626	OO
	14632 HANSEN David	OO
	14632 HEDD Reda R	708-841-7885
	14634	XXXX
	14638	XXXX
	14642 HATHINGS James B	OO
	14644	XXXX
	X 147TH E	
	14700 HARRISON John J	OO
	14704 HAYD David	OO
	14705 HICKOLS Gladys H	708-849-2827
	14706 HATSON D	708-846-1088
	14708 HOTO Robert	OO
	14709	XXXX
	14710 HEDD F T	708-849-7788
	14714 HATHURD Coleman J	708-841-8123
	14716 HATHURD Nathanael V	OO
	14718 HAMILTON C R	708-841-0437
	14717 HOLLINS Glenn R	OO
	14729	XXXX
	14731 GRIFFIN David	708-841-1187
	14732 BLANCHARDROSELYNE M	708-201-1364
	14728 JABLONSKI Sylvester	708-849-3705
	14729 JALAZAREK Noel	OO
	14730	XXXX
	14732 JARVIS Mary	OO
	14731 JENKINS Elaine	OO
	14739 JENKINS C	708-848-5933
	14732	XXXX
	14738 JEDURSE Joe	OO
	14737 CLARK Maryn	708-841-8129
	14740	XXXX
	14741 MUHAMMAD Syed	708-841-0825
	14742 WARD S F	OO
	14743	XXXX
	14745 JACOBSON Nancy L	708-841-2843
	14746 GLASS Bernice	708-201-4726
	X INCOLN AV	
	15527 PATTERSON Gower	708-849-8505
	15528 SBAKOS Joyce J	708-849-4508
	15529	XXXX
	15538	XXXX
	15540 CLAYTON Pat J	708-841-3506
	15544	XXXX
	15547	XXXX
	X 151ST E	
	15100	XXXX
	15101	XXXX
	15109 AYENT Carolyn	708-848-4887
	15110 AYENT Carolyn	708-849-1822
	15110 WATSON Quonaster	708-849-0847
	15119 HAYAS Bernard	708-849-3780
	15120 HATHURD Robert D	708-849-1028
	15121	XXXX
	15129 JENKINS Chad	708-849-4412
	15127 JOHNSON Stanley D	708-841-8186
	15128 MUHAMMAD Franklin C	708-849-2411
	15144	HODGE
	X 152ND E	
	15205 HAYS Denise	OO
	15201 CURRY Heidi Juarez	708-201-0136
	15205 BARNETT J	708-849-2516
	15206 CURTIS Berna	708-841-8227
	15207 CURTIS Woodie J	708-841-8227
	15208	XXXX
	15210 HODGE W R	OO
	15214	XXXX
	15218	XXXX
	15219	XXXX
	15219 BETHUNES Bart J	OO
	15217 TAYLOR Mark H	708-841-8591
	15221 TURNER Lindsey	708-201-7460
	15222 CHAPMAN Jesse	708-849-8023
	15225 ROBERN Monir R	708-841-5415
	15228 STRAKA Sylvester J	708-849-1284
	15229 YOUNG D	708-841-1084
	15230 COLLEMAN Richard	708-848-5681
	15231 COLLEMAN Richard D	708-849-5840
	15233 COLVANA Angelo	OO
	15234 WILLIAMS Charles D	OO
	15237 DALEY Ronald	708-841-5551
	15238 WILLIAMS Edna	708-841-6493
	15241 COLVANA	OO
	15242 BROWN Beatrice	OO
	15245 TROFFER Bobbie	708-201-7948
	15246 DUDLEY E A	708-841-0895
	15250 METCAL Edam O	OO
	15260	XXXX
	15267 HODGE Darrell L	708-849-5816
	15284	XXXX
	15309	XXXX
	15309 OUSLEY James L	OO
	15312	XXXX
	15312 MOORE Horace A	708-841-5632
	15315 VERNON Brenda J	708-841-3500
	15316 BISHOP P	708-841-8778
	15317 BROWN Joseph	708-201-7460
	15321 WATSON Marlenea	708-201-1358
	15324 JENKINS Sami E	708-846-5752
	15327 BRYNE Pam F	708-849-0007
	15328 JONES Wan I	708-848-4882
	15333 MCCARTY Odal	OO
	15334	XXXX
	15343 HODGE James	708-201-7989
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	X 156TH E	
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	BLACKSTONE AV 60425	
	GLENNWOOD	
	WEALTH CODE 0 0	
	X 191ST PL	
	241	MCCLEE James L
	242	XXXX
	243 SHOOT Jas J	708-757-4230
	248 RODGERS Carl	OO
	249	BUSSELL Irene H
	300	HARRISON Stacy H
	301	BARNES William II
	302	BAFFOLD Wade
	303	XXXX
	307	WALKER Hyacintha
	312	BATHURD Darrell
	313	RAYNER Hazel
	314	XXXX

60466 CO
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485-8944
748-8211

INDEX 2 748-18-1
D 748-18-2

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S YOUTH	747-6948
W DC	748-0411
A DC	481-1711
ING CTR	481-1711
E L DC	481-1711
SQUA	481-1711
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S YTH SV	747-6948
NAUK	
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BLACKHAWK DR 00466 CONT.
354 XXXX 481-8206 +4
355 BURNER E M 748-8774
356 WOLFE M L 748-8776
357 EVERARD Edw H 748-8778
358 XXXX 748-8780
359 ROONEY Frank A 748-8782
360 XXXX 748-8784
361 KERN Fred G Jr 748-8786
362 HILL Willie B 748-8788
363 XXXX 748-8790
364 XXXX 748-8792
365 BAILEY William M 748-8794
366 DARLING Harold L 748-8796
367 ROOF S J 748-8798
368 HAVICKY Chester 748-8800
369 MURPHY H M 748-8802
370 XXXX 748-8804
371 XXXX 748-8806
372 CAPALLO Andrew 748-8808
373 FEGAR John T 748-8810
374 WRIGHT Joseph L 748-8812
X MIAMI 748-8814
X CURE Robt 748-8816
X JMS NOT DOGS 748-8818
X SAUK TRL 748-8820

ZIP CODE 60466 UNIVERSITY PK

704 BIVERA Conrado B Jr 634-8626
707 COATES Wesley 634-8628
708 LUKLEN George 634-8630
709 LUKLEN John 634-8632
709 XXXX 634-8634
710 NICHOLS Brenda 634-8636
711 XXXX 634-8638
713 AKINS Little B 634-8640
714 YANDERHILL Geo T 634-8642
715 DELONG D L 634-8644
716 XXXX 634-8646
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THORNTON		
11	KOLODH ROBERT R	577-7112 s
12	FERRIS RAY L	577-7178
13	XJXX	00
14	FRIEZZA RUBY A JR	577-6035
15	SWANSON EARL G	577-5529 s
16	LAGESTEDT TIM	577-8115 +4
17	BERGSTECH EDW T	577-8064
18	MIKURT ANTHONY S	577-5537
19	MERTSCHING KURT	577-5533
21	LINDAHL GEO W	577-6047
22	XJXX	00
23	MUGG HENRY R	577-5475
24	KUKRAL ROY A	577-7148

BLACK RD 60435 JOLIET

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1009	FELSHAW GEORGE R 725-8320 9
1010	LA PETTE JACOB 726-8828 5
1011	OUR SAVIOR LUTH CH 725-1806
1012	DEISS PAUL M 725-5571
1013	LARKIN JOHN 726-3269
1014	ABELLA PETER JR 729-8122
1015	XXXX 00
1016	QUINN G L 726-3937
1017	BEVAN WM F-DOS 725-8381
1018	BEVAN WM F-30 DOS 725-8381
1019	REISS WM A 726-0344
1020	GIFFORD RAYMOND E 725-9388
1021	VALLJO RAYMOND J 726-0171 9
1022	STEPHEN JEAN MARIE 726-4244
1023	STEPHEN PATRICIA 726-3426 5
1024	STEPHEN WM J DDS 726-3426
1025	GERRICH JOS R 726-3264 7
1026	LEVY L 726-2364 7
1027	GUNDERSON MARY 725-2480
1028	FOX JOHN 726-0853 8
1029	WILLIAMS ROBT T 726-5409
1030	XXXX 00
1031	COLLINS JAS E 725-8833 3
1032	LEIBOLD DONALD J 725-8838 8
1033	MACFARLANE ROBT JR 725-4883
1034	FASSOLA CHAS A JR 726-4853
1035	SABO STEVEN 744-5178 6
1036	BEARD J 726-8739 1
1037	LOUTSCH JOSEPH 744-2848 8
1038	DAVIS WM E 726-8209 0
1039	LANE STANLEY G REV 726-8168
1040	KOCA EDW F 725-3918 3

BLACK RD 60435 JOLIET

MAP31	5
2317	MCPIHAL JOS E 723-3841 1
2318	GARRBRECHT P 726-0381 9
2319	HIRSH DONALD W 726-8281 7
2320	ALSHIRE M F 726-0140 3
2321	WOM EDWARD G 726-3811 8
2322	OCNORR MICHAEL 726-2049 9
2323	CHEN EDWARD 744-8117 8
2324	XXXX 00
2325	DAVITO ALDO H 744-2588 8
2326	GAUCK THOMAS 744-2950 8
2327	HEUBACH ARTHUR 744-4192 6
2328	CRESTLINE CONSTRUCTN 726-1846 0
2329	XXXX 00
2330	CHARLIE CLUB 726-4803 9
2331	CHARLIE CLUB REST 726-1800 9
2332	HAIR CENTER BARBER 725-7177 9
2333	XXXX 00
2334	ELMORE JARVIS 726-8181
2335	BARRELO BLD SAM SON 726-8782 8
2336	BARRELO R J ASSOC 726-4374 6
2337	MATICHAK A S-TEEN 725-1187 9
2338	MATICHAK ANDREW E 726-8580
2339	KALUZA ANTON 726-8285
2340	SMITH MERLE 744-2456 9
2341	SMITH STEVE 744-2456 9
2342	STAVSA SERBIAN ORTH 726-2138 7
2343	AIDE G-VM 726-1655 9
2344	AUL NIGHT EMER HOSP 726-4374 6
2345	CONTRACTORS SUPPLY 438-7719 8
2346	HITT R J DVM 726-1888 9
2347	INTERNAT BRND ELEC 726-1240 6
2348	KOBE WILLIAM 438-8878 4
2349	KOBE WILLIAM-CHLD 438-8891 4
2350	MAIM TWINE CO 726-4801 9
2351	RYAN RICHARD 438-8714 6
2352	PRINCE J L-DVM 726-1858 6
2353	R WAY PLASTICS 438-7388 8
2354	RAASCH R-DVM 726-1556 9
2355	SANTORINOS PETER 438-2823
2356	SC TRY CROWN 726-2340
2357	STAFFORD GED 438-8882
2358	OVERALL SALES&SV 438-7178 6
2359	TIME&LINE ANML HSP 726-1885
2360	TOLLEY INTERNATL 726-2888 8
2361	TRI CO STOKL FRTZLR 726-0686 3
2362	TRIANGLE EXCAVATING 438-3888 5
2363	WILL CO BUILDING CO 438-4832 5
2364	XXXX 00
2365	23 BUS 164 RES 20 NEW

BLACK RD 60544 PLAINFIELD

MAP31	5
1041	XXXX 00
1042	BLACK ROAD IND CO 438-7718 5
1043	LARSON EDW F 438-8782 5
1044	SANTORINOS P J JR 438-4895 5
1045	BURNSIDE ENERGY PROD 438-4461 9
1046	ZUPANSKI JOHN R 438-9629 2
1047	XXXX 00
1048	2 BUS 3 RES 2 NEW

BLACKBERRY RD 60439 BOLINGBROOK

MAP31	5
1049	XXXX 00
1050	RURAL ROUTE 9
1051	ORLOWSKI GEORGE E 758-7650 8
1052	RUSMICK SYLVESTER 758-3145 7
1053	SEYDLITZ ROBT L 758-3243 5
1054	MALLOY DONALD 758-7784 8
1055	XXXX 00
1056	JORDAN LAWRENCE JR 758-7880 8
1057	WRIGHT DALE 758-8923 9
1058	PIRETO JOHN P 758-3117 5
1059	XXXX 00
1060	MORTIMER JAS K 758-3259 5
1061	SHARAS PETER J 758-3888 8
1062	COHA FRED E 758-3346 8
1063	MELDRUM THOS J 758-2182 5
1064	SHEARIN JOHNNY 758-3389 9
1065	LANG DAN E 758-3007 9
1066	LANG PAMELA 758-3007 9
1067	TREADWELL WAYNE A 758-5393 5
1068	PETERS JAS E 758-1352 5
1069	PACENTA ROBT J 758-8488 7
1070	XXXX 00
1071	HAMLET EDWARD 758-4227 8
1072	INTRIERI 758-7882 8
1073	HORNBERGER CHAS E 758-1098 5
1074	GRILLS ROBT J 758-1388 6
1075	XXXX 00
1076	LAWRENCE NORMAN R 758-4354 5
1077	SADOWSKI RICHARD P 758-1089 5
1078	RICHSON JERRY L 758-7693 9
1079	XXXX 00
1080	ZIMNY MARTIN 758-8298 7
1081	DENTICE LARRY P 758-4224 9
1082	XXXX 00
1083	SCOTCHLAS JOHN 758-1223 5
1084	KAZALLA HORST E 758-1373 5
1085	KAEHN KENNETH L 758-1246 5
1086	XXXX 00
1087	WERNAND BEN 758-4723 9
1088	EISCHEN LAWRENCE E 758-3918 7
1089	XXXX 00
1090	0 BUS 30 RES 8 NEW

BLACKBERRY LN 60410 CHANNAON

MAP31	5
1091	OLSEN RONALD D 482-4253 7
1092	BRYANT EDWIN-MRS 482-4247 7
1093	BUESCHEN ROBT 482-8812 6
1094	CRASE JANET 482-2804 9
1095	CURRIE E M 482-8500 9
1096	FITZGERALD EDWARD 482-2804 9
1097	WERNER L M 482-8881 8
1098	LAYSALLE LARRY 482-8035 8
1099	MCMLLIN GORDON H 482-2085 4
1100	MCCORMAN LAWRENCE T 482-2830 6
1101	MUELLER RON 482-2425 5
1102	STRICKLIN J 482-8810 9
1103	WILT MICHAEL 482-8588 8
1104	WARDLOW BEVERLY 482-3449 9
1105	WHEEL D J 482-8885 8
1106	XXXX 00
1107	0 BUS 16 RES 5 NEW

BLACKHAWK 60432 JOLIET

MAP32	12
1108	STUDER EDW JR 723-2322
1109	XXXX 00
1110	CROWDER ROGER A 722-8123
1111	CAREY ALICE 726-2988 5
1112	CAREY NORTON M 726-8528

BLACKHAWK 60432 CONT.

MAP32	12
407	XXXX 00
408	WILBURN HERBERT M 727-7554
409	VETTER ROBT C 726-4873 1
410	XXXX 00
411	STONEHOUSE M 722-9835 9
412	BRYAN ROBERT W 722-8290 7
413	WANDERBIEZEN JOHN 727-7709
414	HUTSON JOHN 722-2202
415	VETTER RAYMOND 722-2287
416	XXXX 00
417	GAUCK THOMAS 722-0878
418	RUZON JOHN 726-7439 9
419	VETTER ROGER 726-7439 9
420	XXXX 00
421	FERRIS KENNY 726-4213 7
422	XXXX 00
423	SING VICTOR J JR 726-8782 9
424	RANDOLPH CHARLES W 727-6517 8
425	XXXX 00
426	XXXX 00
427	XXXX 00
428	XXXX 00
429	XXXX 00
430	XXXX 00
431	XXXX 00
432	XXXX 00
433	XXXX 00
434	XXXX 00
435	XXXX 00
436	XXXX 00
437	XXXX 00
438	XXXX 00
439	XXXX 00
440	XXXX 00
441	XXXX 00
442	XXXX 00
443	XXXX 00
444	XXXX 00
445	XXXX 00
446	XXXX 00
447	XXXX 00
448	XXXX 00
449	XXXX 00
450	XXXX 00
451	XXXX 00
452	XXXX 00
453	XXXX 00
454	XXXX 00
455	XXXX 00
456	XXXX 00
457	XXXX 00
458	XXXX 00
459	XXXX 00
460	XXXX 00
461	XXXX 00
462	XXXX 00
463	XXXX 00
464	XXXX 00
465	XXXX 00
466	XXXX 00
467	XXXX 00
468	XXXX 00
469	XXXX 00
470	XXXX 00
471	XXXX 00
472	XXXX 00
473	XXXX 00
474	XXXX 00
475	XXXX 00
476	XXXX 00
477	XXXX 00
478	XXXX 00
479	XXXX 00
480	XXXX 00
481	XXXX 00
482	XXXX 00
483	XXXX 00
484	XXXX 00
485	XXXX 00
486	XXXX 00
487	XXXX 00
488	XXXX 00
489	XXXX 00
490	XXXX 00
491	XXXX 00
492	XXXX 00
493	XXXX 00
494	XXXX 00
495	XXXX 00
496	XXXX 00
497	XXXX 00
498	XXXX 00
499	XXXX 00
500	XXXX 00

BLACKHAWK DR 60466 PARK FOREST

MAP38	35
501	SCHLESINGER ROBT DR 748-3388
502	GROMAN ALLAN P 748-4411 4
503	STONE TED 481-1881 4
504	BISHOP WM H 748-4094
505	MOHR ABRAHAM H 481-7520 5
506	KING ROBERT M JR 747-3071 9
507	SCHLENKER J-CHILD 748-5575 0
508	SCHLENKER JACOB 748-5584
509	BUXENMAN CHESTER H 748-3429 0
510	BRUNNER C H 748-7181
511	MARTIN TUDS P 481-1282 7
512	GREEN ALFRED 481-9282 7

BLACKBERRY DR 60439 CONT..
 253 KAZALLA HORST E 739-1373 3
 258 KAHN KENNETH L 739-1246 3
 259 GIESLER G R 739-1169 3
 262 DECKER DONALD 739-0254 3
 * O BUS 35 RES 4 NEW

BLACKHAWK 60432 JOLIET

401 STUDDER EDW JR 723-2322
 404 CAREY WILLARD M 722-2814
 405 CROWDER ROGER A 722-8123
 406 CAREY NORTON M 726-5526
 407 XXXX 00
 410 WILBURN HERBERT M 727-7354
 415 VETTER ROBT C 726-4873 1
 416 BLAND JAS A 723-5659+4
 419 XXXX 00
 420 RUSSELL JOHN THOS 722-4696
 423 XXXX 00
 426 FRAZER DAVID SR 727-7743+4
 427 BRYAN ROBT W 723-8290
 428 PERAUD JOS T 727-7702
 429 HUTSON JOHN 722-2202
 431 VETTER RAYMOND 722-2287
 432 ASCHENBRENNER A 722-4536
 436 RUZON JOHN 722-0678
 437 XXXX 00
 438 MEINERS VIOLA A 722-6194
 439 GRAYVITT GAIL 722-7443 3
 439 XXXX 00
 442 SING VICTOR I JR 726-6782 9
 445 JURICIC AUGUST 726-0273 0
 446 WILL BEATRICE G 726-1892+4
 449 XXXX 00
 450 EKDAHL HAROLD 726-2608
 451 CASTILLAS FRANCISCO 722-5135 1
 452 MCGUIRE LESLIE A 722-2934
 452 XXXX 00
 456 VANDUYNE LEROY 723-6415
 457 VANDUYNE PAH 723-8077
 * O BUS 32 RES 3 NEW

BLACKHAWK DR 60466 PARK FOREST

52 SCHLESINGER ROBT DR 748-3396
 53 GRONAN ALLAN P 748-4418+4
 55 STONE TED 481-1881+4
 57 BISHOP WM H 748-4049 0
 62 LIEBERMAN MICHAEL 748-2697 1
 64 BARRACA DONALD D 748-4115
 66 SCHLENKER J CHLOM 748-5575 0
 SCHLENKER JACOB 748-5564
 68 BIKENMAN CHESTER H 748-3428 0
 70 BRUNNER F G 748-7161
 72 MATTSOON CHAS 748-0275 3
 73 FREDMAN A J TEEN 747-9203 3
 FREDMAN ARTHUR J 747-8555
 74 CRIBBS JAS M 748-4550
 75 FEURER W E 748-6859
 76 OELUE ROSS 748-5881
 77 XXXX 00
 78 TOWNER JOHN H 748-3222 0
 TOWNER PAT 481-5754+4
 80 ALT C O 748-5714
 102 CALARCO VINCENT JR 481-4090+4
 103 DRISCOLL CHAS D 748-8078
 104 RIGGS DONALD E 747-4190 3
 105 STRATTON WM J 481-5419 3
 106 WAGENER ANTHONY JR 748-6996
 107 OMALLEY THOS J 748-4448
 108 MOODY HOWARD L 748-4207
 112 PINTER ANTHONY J 747-4616 3
 121 PRATT DONALD E 748-2393
 123 COWEN DAN L 748-8453
 125 ROSE WM 748-3256 0
 127 DOUGLAS CHAS 747-3049 1
 129 HENNING ROY G 748-2967
 130*BLACKHAWK SCHL 748-3322
 131 BEDROSTIAN CHAS 747-4261 9
 133 OLSON MAGNE B 748-8994+4
 134 TREFF BENSON 747-2455
 135 MITCHELL R L DVM 481-1611+4
 136 WEBB MARLAND 748-5183 3
 137 SORRELS BENTIE D 747-4492+4
 138 OENICK PAUL 748-3505
 141 ENSING ANDREW D 481-3919 1
 143 NORTELL CLIFFORD 747-2694 1
 144 BOWERY JOHN C 748-1658
 145 PARKER ROBT A 748-3670
 146 SULLIVAN JOHN L 747-4695+4
 147 OTTO D J 747-9221 0
 149 THILMANY JOHN W 748-3763
 150 RUDELL GERALD E 747-4186 3
 151 WILLIAMS LESTER H 748-3568 9
 152 VANCE HAROLD 748-1447
 153 ZIRON HELMUT A 748-5584
 154 RICKORD EDW E 748-6288+4
 159 FRITZ ROBT A 748-3873 9
 162 SAMEC EDW F 747-0299
 163 ROVEL JEROME E 748-2674+4
 164 MURPHY THOS F 747-3486
 165 RANNELLS ROBT H 748-7880 0
 166 BRYNING KURT D 747-4661
 167 MUSSELLWHITE M G 748-8834 1
 168 SLOAN JOHN W 748-6415 9
 200*TWIN FOODLOR 747-8119 9
 201 SPANH J R 748-5478
 202 XXXX 00
 206*WOLNY DENNIS J DR 748-6292
 208*O B PIZZA 747-1811
 210*JOHNS BEAUTY SALON 748-1840 1
 212 KAZALLA MICHAEL D 747-5782+4
 214*HAMMOND H A PUBG 748-8790+4
 218*CONKEY CLNRS 748-6300
 224*CONSVTRY MUSICSONC 748-3400
 *PARK FOREST CNSVTRY 748-3400
 230 HAMILTON ROBT C 747-4219 3
 232*HARTS HEATING COOLNG 748-6990 3
 HANMER JOS F JR 748-7739 3
 233 HOFFMAN MELVILLE 747-1775 0

BLACKHAWK DR 60466 CONT..
 234 TAYLOR CLINTON 747-1513
 235 THIELMAN P M 747-0706 0
 236 XXXX 00
 237 ANDERSON CHAS H 747-4335
 238 GEMRIG GERHARD 748-2840
 239 DRZIK JOS I 748-0627 3
 240 MURPHY RAYMOND J 747-8786 3
 241 MESICK FRANCIS P JR 748-4822
 242 GARTY PAUL 747-3177 3
 243 HERR ROBT P 747-8574
 244 BRODENE L 748-1511 1
 245 REDENSKE LUTHER 748-7352
 246 WHALE DAVID L 748-3275
 247 SOBOTA FRANK M 747-3835+4
 248 WINTERS IRWIN 748-3713
 249 STEIN RICHARD L 748-3062 3
 250 GANZA PHILLIP G 748-1901
 251 ZIAGOS SPIRO P 748-2043
 252 PERALTA RAYMON 748-7335
 253 SCHONEMANN FREDK 748-8578
 254 FIELDING VAN 747-2909 0
 257 CARLSON C J A 747-9018 0
 258 AMAN RAYMOND J 748-2665
 259 SUNDEN RALPH E 748-3103
 260 MCFARLAND A M 748-0985 9
 261 PONTER WM 748-9573 9
 262 BERGE S W 748-4510
 264 OCONNOR DONALD R 748-3471 0
 265 MAHON ELIZABETH 748-4043 1
 266 STEVENS RAYMOND A 748-3955
 267 PLARENOS JAS SR 747-2447
 268 MCBRIDE DAVID W 747-0679
 269 BROBERG ROLAND S 481-3527 3
 270 LEONHARDT SOPHIE M 748-3472 1
 273 NYDEGGER F DEAN 747-4844 3
 302 XXXX 00
 303 WILEY DONALD F 748-5225
 304 DESJARDIN LOUIS C 747-2563 1
 306 HARLAN THOS M 748-9260 3
 307 BENNETT LOUIS 748-5626
 308 FORSELL ELMER 747-1977
 310 XXXX 00
 311 RICHARDSON R B 747-3775 1
 312 MCCORMICK C 748-4483 3
 313 KINLOE DANNE R 747-0784 3
 314 TOVELL JAS L 747-8085 3
 316 MANDELCO H C 748-1497
 317 REKAU DONALD 748-3749 1
 318 KARSTE ROLAND 748-4232
 319*ROBERTS PAUL L DR 747-4229 1
 321 BROWN WM E 747-5242 3
 322 XXXX 00
 324 SHAFFER EDWIN M 748-6641 1
 325 XXXX 00
 327 BOGOLUB DONALD E 747-2772 9
 328 JACKSON HARRY H 748-5079
 329 XXXX 00
 330 BLUE M L 748-6533
 331 HAGMAN VERNON J 748-3973
 332 DEDRICK RALPH S 748-0812
 333 NELSON MALCOLM B 748-6281
 334 POINDEXTER J J 748-1656 3
 335 GINRUS I A 748-8789 0
 336 CLARY RUSSELL F 748-7316
 338 RATTLEGE ARTHUR L 748-4252
 339 XXXX 00
 340 LARSEN DAVID C 748-4729 3
 344 FETTERLY H L 748-2897 1
 345 MOYES ROBT C 481-1665+4
 352 FEDOR EDW 748-4225 1
 353 OLSEN RICHARD J 747-4715 0
 354 BAILEY M A 748-0990 1
 355 SMITH RAYMOND E 747-1950 1
 356 REUBELT GEO F 747-1562 1
 357 EVERARD EDW R 748-6798
 358 XXXX 00
 359 ROONEY FRANK A 747-0455 0
 360 XXXX 00
 361 KERN FRED G JR 748-4932
 362 SCHEEL CHAS H 748-3836
 363 NELSON ROBT 481-5428 3
 366 JAMES WALTER 748-7730 3
 367 DARLING HAROLD L 748-4069
 368 ROOP GARY 481-4305 3
 369 HAVLICEK CHESTER 748-5558
 370 XXXX 00
 371 FISHER PAUL J 747-8061 3
 372 BRYANT D 748-6849 3
 373 FEGAN JOHN T 748-9408 3
 374 XXXX 00
 NO *HICKORY ELEM SCHL 534-9126+4
 NO * PETERSON JOHN A 563-2162+4
 * 12 BUS 156 RES 16 NEW

BLACKHAWK DR 60466 PARK FOREST S

704 WELLS NATHL 534-6823 0
 706 ALLAN HAROLD C 534-6738+4
 707 HACHAT JOS L 534-9439 5
 708 DEMONJA DONALD P 534-6828 1
 709 RIMIER ROGER 534-9674 3
 710 JOHNSON LIDDELL J 534-9003+4
 711 SANDLING JAS H 534-6560 0
 713 XXXX 00
 714 VANDERWALL GEO T 534-6324 9
 715 GERENCHER ROBT J 534-6887 1
 717 MONCELLI VITO V 534-2254 0
 718 LAMANNIS SALVATORE 534-6792 3
 719 ZIEBELT RICHARD R 534-6336 9
 720 RUBESKY PAUL J 534-6573+4
 721 CRIM RICHARD 534-6335 1
 722 ADKINS D 534-6574 3
 723 FOUTS A MRS 534-6740 9
 724 GIBBS GEO A 534-6774 0
 726 MARTIN JOHN G 534-2269 9
 727 MIKULSKI JOHN 534-6481 1
 728 HARVEY FELIX L 534-6692 9
 729 XXXX 00
 730 HUNT RUSSEL W 534-9207 2
 731 STANISLAWSKI ANTONI 534-2246 9
 732 MCNEELY JOHN M 534-6316 0
 734 GRABER THOS H 534-6638 9

BLACKHAWK DR 60466 CONT..
 735 ROUNDS WM C 534-9276 3
 737 GIELMI LOUIS V 534-6639 9
 800 WELLS B A 534-6702 0
 WELLS PHILLIP A 534-6702 0
 803 MORTIMORE R 534-6362 0
 805 THURUN LEROY R JR 534-6333 0
 807 SHAUL EDON D 534-2286 9
 809 SHIKE ALLEN 534-6723 0
 811 MACLANE RICHARD M 534-6674+4
 812 XXXX 00
 813 XXXX 00
 814 QUATROCHI CARMEN 534-6855 0
 815 KRIZ HARRY A 534-6662 0
 816 JOHNSON E RAYMOND 534-6882 9
 817 VANN MICHAEL 534-6812 3
 822 REILLY MICHAEL T 534-0575+4
 824 VIERKS KENTON R 534-6389 0
 900 HEMLE WM A 534-9167 3
 901 WARNER ROY W 534-2204 9
 902 HERZOG JOHN F 534-9556 3
 903 CRAWLEY EVAN A 534-2259+4
 905 XXXX 00
 906 KNECHTEL CARLETON 534-9612 3
 909 XXXX 00
 911 WILLIAMS J J 534-6378 9
 917 COTE JACK G 534-6741 3
 919 BROWN JOHN E 534-6839 9
 921 KOSLOSKUS DENNIS E 534-6842 9
 923 XXXX 00
 924 XXXX 00
 925 NAGLEY WM J 534-6693 9
 927 COSENZA JOS 534-6601+4
 1000 BUNT ROBT G 534-6847 9
 1001 WHITAKER TOM R 534-2248 9
 1002 LOWE JOHN SD 534-6769+4
 1004 XXXX 00
 1005 PHILLIPS HARRY H 534-6776 9
 1006 PARKHOUSE GREGORY 534-6708+4
 1030*HERITAGE HOMES 534-2260+4
 1031 XXXX 00
 1033 KOMTS WM A 534-6604+4
 1039 SPEARS CHESTER T 534-6835+4
 1039 FERGUSON KARL E 534-6759+4
 1041 PARKOS STEVE M 534-9691 3
 1043 HUEBNER ROGER L 534-6589+4
 1101 BOOTH THOS HOWARD 534-0534+4
 * 1 BUS 71 RES 15 NEW

BLACKHAWK DR E 60476 THORNTON

11 CALDERONE JOS H 877-8901
 12 FERRIS RAY L 877-7172
 13 XXXX 00
 14 FREZZA RUDY A JR 877-6036
 15 ZIRBEL ROBT L 877-6276
 16 TERHAAR ANDREW 877-8902+4
 17 EDGO CLARK J 877-6076
 18 LINGEBRECHT EDW T 877-6054+4
 19 MIKRAUT ANTHONY S 877-6037
 20 MERTSCHING KURT 877-6533
 21 LINDAHL GEO W 877-6047
 22 LOWRY WM D 877-6055
 23 HUGG HENRY R 877-6471
 24 KUKRAL ROY A 877-7148
 25 KOCHIS JOHN 877-6052
 26 SMITH V H 877-6040
 28 JABAY JOHN L 877-6078
 29 KREBSA THOS 877-5283 0
 30 NEEHAN P F 877-6181 9
 31 STEARNAN JAS E 877-6452 1
 32 WESTERHOFF HARRY 877-6407
 34 POND GEO F 877-6212
 35 JACOBITZ CARL W 877-6472
 36 AHRWEILER RUDDLP H 877-6297
 37 MODI CARL 877-6215 3
 38 RYBAK RICHARD S 877-6313
 39 MCCORRY JAS O 877-8985 3
 40 SWEENEY JAS 877-5531 1
 41 DEBOK ROBT J 877-5223 9
 42 KRABBE GEO A 877-5512
 44 JANUCHOWSKI JOHN 877-6146
 46 GESCHKE M A 877-6582 9
 48 ANDERSON JEAN 877-6014
 50 HUCHER BRUNO 877-8908
 52 JACOBSON MICHAEL M 877-7168
 54 XXXX 00
 NO *FIRST BAPTIST CH 534-2242 3
 * 1 BUS 37 RES 2 NEW

+BLACKHAWK LN 60439 BOLINGBROOK

518 GAGE YAD C 739-3730+4
 RYAN PATK J 739-4013+4
 SCHIMAN DALE C 739-3575+4
 STASIK FRANCES C 739-7479+4
 521 REID RUSSELL 739-9179+4
 533 GOLASZEWSKI THOS A 739-4233+4
 537 SLOBODA PAUL M 739-2869+4
 * O BUS 7 RES 7 NEW

+BLACKHAWK PL 60439 BOLINGBROOK

217 HATNEY JOS J 739-5633+4
 218 ANDREWS JOHN D 739-3120+4
 221 MACCALLUM BRUCE M 739-1020+4
 222 ADKINS SAHL W 739-0896+4
 225 KIBLER WM P 739-9043+4
 * O BUS 5 RES 5 NEW

BLACKHAWK TRL 60954 MOMENCE

4 SPRY ROGER H 472-4323
 18 SNAPP MARSHALL J MD 472-4297
 21 DEMACK ELIZ 472-2316
 DEMACK RICHARD F 472-2316

BLACKHAWK TRL 60954 CONT..
 25 KAKAR MATTHEW J 472-2803+4
 35 KAGGBEIN ELMER 472-4135
 NO * DEGREVE BARBARA A 472-2582
 NO * HAGER ROBT L 472-2861
 NO * WEIDNER EDITH R 472-4939
 * O BUS 9 RES 1 NEW

BLACKMAN AV 60436 JOLIET

2 GOSS TERRY A 723-6614 1
 3 BLATTI JOHN A 722-3396 9
 4 KELLY GENEVIEVE M 723-3759
 5 BOOTH M W 723-6146 3
 6 BERKECI JOHN 723-0368
 7 BRERETON G F 727-1668+4
 7 SHIELDS JAS 722-8274+4
 8 ALLEN WM 722-5041
 9 XXXX 00
 10 SMITH OPAL M 722-4902
 11 ALLEN LESTER C 722-0941
 12 KOZAR WM G 722-5333
 13 MCGUIRE JOHN 727-7118
 14 FLAVIN G R 723-2269 3
 15 MORIARTY T A 722-5784
 16 KUMMER W A 727-1919
 * O BUS 16 RES 2 NEW

BLACKSTONE N 60476 THORNTON

201 JABAA IQA 877-6577
 JABAA WM L 877-6577
 206 BERNARDI LEO A 877-6131
 208 DALSANTO JOS A 877-8868 3
 208* CARLASARE MARTIN SR 877-6426+4
 209 GLUSAC MIKE 877-9329
 210 BILLET CHAS M 877-2940
 215 BRUGGEMAN DENNIS M 877-7170
 222 NARDI KEN 877-6234+4
 304 TAYGENHORST DONALD 877-6041
 305 SINISE DAVID V 877-5568
 307 HORVAT ANDREW A 877-6506+4
 314 BRUGGEMAN HILDA 877-6294
 315 PETERS JAS HAROLD 877-8854
 316 FLANAGIN IRVING H 877-5539 1
 317 HARRA ANDREW C 877-9371
 320 HANSEN M W 877-6803
 322 SPOLSTRA JULIUS 877-5563 3
 401 NORMAN MARTIN 877-9335
 402 FRENCH JOHN E 877-8937 1
 403 BEALL EARL P 877-9372
 404 MISCHKA KENNETH E 877-6470
 405 LABERT EDGAR J 877-7125
 406 MARZILLI RONALD L 877-5592 0
 407 MCARTHUR M 877-5560 1
 408 FISHER FERN 877-9370
 409 RYSGASTIEWICZ EDW A 877-7147+4
 410 DESFORGES NORMAN 877-2558
 411 PABST ELDON J 877-7192 1
 412 JANSEN DONALD J 877-6421 3
 413 WHITMAN AL 877-8834
 563 XXXX 00
 * O BUS 33 RES 4 NEW

BLACKSTONE AV 60409 CALUMET CITY

416 JONES GENE 862-3260
 * O BUS 1 RES 0 NEW

BLACKSTONE AV 60411 CHICAGO HTS

NO * BOER LOUISE 758-2686 9
 NO * BULT KAY 758-3509
 NO * FULTON JOHN D 758-1311
 NO * FULTON WM L SR 758-1566
 NO * GRUBLESKY VINCENT 8758-1723
 NO * LOW JAS C 758-2391 3
 NO * NAUSBAUM B B 754-5914 3
 NO * SMITH JAS L 758-2031 1
 NO * WATKINS LAWN EOPT 758-4014+4
 * 1 BUS 8 RES 1 NEW

BLACKSTONE AV 60419 DOLTON

14239 KELLEY B L REV 849-7674+4
 LEONARD JAS T 849-6201 1
 14301 XXXX 00
 14320*CARRIAGE RENT A CAR 841-6717+4
 *DUNN RITE CAR RENT 841-6717 1
 14325 FLOOD WALTER H 841-5432 3
 *SANDRA NURSING CNTR 849-9000 1
 14336 CATT BRUCE W 841-3045+4
 NYDEREK ROBT N 841-5291 9
 14340 FRASER CHAS H 841-2280+4
 MARCO PHILIP J 841-6280+4
 PANKAU M D 841-5253 9
 RYAN JOHN 841-7674 3
 WALTERS HELEN M 849-4719 9
 WOODRICK EDW J 841-5033
 14344*TESSAROLO DON PLSTR 849-8562 1
 TESSAROLO DOMENIC 849-6351 1
 14400 AGUILAR MANUEL 841-6880 3
 14404 GERRA ANTONIO 849-7186+4
 14405 XXXX 00
 14409 MARCHI ALFRED M 841-5705 0
 14410 KOSICH JOS 849-3199
 14414 LEUSER MELODIE 849-1312 1
 14415 MISNIAKIEWICZ M J 849-7662 0
 14418 BLACK BARBARA 849-8839 3
 DOEDEN NEIL D 841-5896 3
 14419 LAIST FRED A 849-2443 9
 14420 LESNIAL TED A 849-9407+4

349-8016
349-1557
348-1750

BLAIR 60466 PARK FOREST

509 JOHNSON RALPH G
510 KARLAN DAME
511 WARMBIR E ROGER
512 BENTLEY TOM A
513 LYSTAD WALLACE O
514 SNYDER G E
515 BRIEN JOHN P
516 GABLE ELMER W
517 GARBERG PHILIP B
* O BUS 11 RES

BLAIR LN 60452 OAK FOREST

16417 SCHWENBECK ROY W
16421 BELCHER ROBT W
16425 OSWALD JAS C
16445 FREBERG JAY C
16449 KOPEC RONALD J
16469 WOJTCOWICZ L A
16473 STERN PAUL J
* O BUS 7 RES

BLANEY DR 46311 DYER

7630 PAPKE E H
7638 CHMOLER CHAS L
7724 COMPTON BOB A
7728 GAPA PAULINE
7728 ERNST OTTO
7750 STRADER TRUXTON D
7800 THORSANDER HARRY
7811 GRIMMINGA HOWARD J
7814 HOBSON GEO A
7815 KESBERG RUD A
7819 MOTT ERIC W
7821 OLSON RICHARD J JR
7821 PDBETGA ROBT J
7826 SCHAUER MARTIN
7827 KACZMAREK STANLEY
7828 CAGALA ELSIE WRS
7842 GUARDI FIRENZE
* O BUS 17 RES
BLOCK AV 46312 EAST

6407 SIBILSKY HENRY F
6409 NELSON FELIX W JR

6418	SLUTHAM CLARA E	931-7036
6418	HURLEY RAYMOND M	931-2537
6419	BEEBE ARTHUR J	932-4403
6421	DILLON JAS D	931-5864
6422	BRIDGES RICHARD M	931-2070
6433	HUFFMAN RICHARD M	931-2446
	* O BUS 25 RES	
BLAINE AV 60469 POSEN		
14217	NU WAY HOME IMPRVMT	597-1242
14218	JOBE CHESTER A	388-8796
14221	COX DEBORAH M	385-2398
	COX JOHN E	385-2396
14222	BLAINE BONNIE J	389-9288
14233	GRAF JOS	385-2747
14234	LILLIE WM C	385-9349
14237	CHARTER CHARLES	388-3388
14242	BEESON NORMAN J	385-3891
14246	MERRIGAN JOHN	388-0209
14246	HENDRICK EARL MRS	385-3453
14300	GENCICHOWICZ JAS R	388-0820
14306	GENCICHOWICZ JAS R	597-0080
14309	STACHOWICZ JAS JR	388-4396

14318 BERNAS FRANK
14341 BEREZA MICHAEL
14344 BENICK ANTHONY

13446	BENICKI ANTHONY	398-2658
13447	PECKA STANLEY	395-5412
13448	PECKA STANLEY	395-5412
14414	JAMCZEK LAWRENCE	398-2570
14415	MOWAKOWSKI WALTER	J99-3399
14423	TRISTACAT WALTER	398-3399
14424	OLKES GED JR	398-4444
14431	LEYDING CHAS H	399-2839
14432	WAGZLICH WM W	385-8653
14433	WAGZLICH WM W	385-8653
14440	BIESIADA CECILIA	395-3929
14441	SENDRA JAS W	399-1243
14441	DANTA FRANK J	399-5259
14500	PAK PAUL	397-6760
14503	DUNAJSKI WALTER	395-4953
14504	LABUDDA LEGNA	386-4953
14507	WILLER STONE A	399-1242
14510	WILLER STONE A	399-1242
14513	ZOZASKI GENE L	395-1699
14517	SPYTKO ANTHONY A	398-2022
14520	DEBENHURTER R	398-2022
14521	LITKO JOHN H	395-0863
14524	SPYTSKI EDW	398-3193
14528	ABBOTT GERALD B	395-8203
14530	ABBOTT GERALD B	398-3737
14532	BERNAS WALTER	399-4258
14533	VEGA JOS	388-1367
14537	DALLACOSTA JOHN B	386-0186
14538	WILLIAMS EDWARD	398-3399
14541	MSKUSZKIEWICZ JOS S	399-1359
14542	MSKUSZKIEWICZ JOS S	395-4490
14543	KEVIAKOWSKI JOS W	398-1367
14543	KEVIAKOWSKI JOS W	398-1367

14546 SIMMONS JAS D
KRUCZEK TED

13447	CALDERON WALTER J	597-0020
13448	GRATKOWSKI CHESTER	388-4724
13449	GRANOWSKA ANNA	388-4724
13450	GORDON FRANK S	388-2203
13451	ANDERSON BETTY LEE	389-7489
13452	CHAMBERLAIN ROBERT F	388-1171
13453	CHAMBERLAIN PETER	388-1171
13454	CASTANEDA HENRY JR	389-6492
13455	SLIFER CLOYDE	388-5366
13456	CHAMBERLAIN PETER	388-1171
13457	CARLASSARA LUIGI	386-7090
13458	KSZYNSKI FRANK	388-7890
13459	CHAMBERLAIN PETER	388-1171
13460	CEBULSKI DAVID E	389-8744
13461	KNOWDIAK LAWRENCE	388-7588
13462	CHAMBERLAIN PETER	388-1171
13463	CHAMBERLAIN PETER	388-1171
13464	CHAMBERLAIN PETER	388-1171
13465	CHAMBERLAIN PETER	388-1171
13466	CHAMBERLAIN PETER	388-1171
13467	CHAMBERLAIN PETER	388-1171
13468	CHAMBERLAIN PETER	388-1171
13469	CHAMBERLAIN PETER	388-1171
13470	CHAMBERLAIN PETER	388-1171
13471	CHAMBERLAIN PETER	388-1171
13472	CHAMBERLAIN PETER	388-1171
13473	CHAMBERLAIN PETER	388-1171
13474	CHAMBERLAIN PETER	388-1171
13475	CHAMBERLAIN PETER	388-1171
13476	CHAMBERLAIN PETER	388-1171
13477	CHAMBERLAIN PETER	388-1171
13478	CHAMBERLAIN PETER	388-1171
13479	CHAMBERLAIN PETER	388-1171
13480	CHAMBERLAIN PETER	388-1171
13481	CHAMBERLAIN PETER	388-1171
13482	CHAMBERLAIN PETER	388-1171
13483	CHAMBERLAIN PETER	388-1171
13484	CHAMBERLAIN PETER	388-1171
13485	CHAMBERLAIN PETER	388-1171
13486	CHAMBERLAIN PETER	388-1171
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13488	CHAMBERLAIN PETER	388-1171
13489	CHAMBERLAIN PETER	388-1171
13490	CHAMBERLAIN PETER	388-1171
13491	CHAMBERLAIN PETER	388-1171
13492	CHAMBERLAIN PETER	388-1171
13493	CHAMBERLAIN PETER	388-1171
13494	CHAMBERLAIN PETER	388-1171
13495	CHAMBERLAIN PETER	388-1171
13496	CHAMBERLAIN PETER	388-1171
13497	CHAMBERLAIN PETER	388-1171
13498	CHAMBERLAIN PETER	388-1171
13499	CHAMBERLAIN PETER	388-1171
13500	CHAMBERLAIN PETER	388-1171

PARK FOREST

BLACKHAWK DR-Cont'd

257 Greathouse H	P18-3738
258 Byron D J	747-0390
259 Sunden R E	P18-3103
262 Serge S W	P18-4510
264 Leach A F	748-3588
265 Mahon Elizabeth	P18-4043
266 Stevens R A	P18-3755
267 Platenos J Sr	747-2447
268 Barnes W E	P18-1227
269 Kessie H L	P18-4058
270 Fleischmann J J	P18-7210
302 Lambeth LaVerne	P18-1624
303 Morse C A	P18-2572
304 Perry B E	748-1482
305 Bantel R D	P18-4375
306 Krauter M	P18-3740
307 Bennis L	P18-5626
308 Walters C A	747-1148
309 Boe C H	P18-6183
310 Phillips G W	P18-5265
311 Blair Anle E	P18-7055
312 Morehead H G	P18-3777
313 Walker Mary B	748-6917
314 Mandelso H C	P18-1497
316 J Conet Co	748-7741
318 Karete R	P18-4232
319 Graber S L	P18-4262
320 Talkington J C	747-8389
322 Braun H R	747-3285
327 Geratley M J	748-2907
328 Jackson H H	P18-5079
329 Pate T J	748-9413
330 Blue Margaret	P18-6553
331 Hagman V J	P18-3973
332 Pedrick R S	P18-0812
333 Nelson M B	P18-6281
334 Sheffler J H	P18-1287
335 Morris C A	P18-5788
336 Clary R F	P18-7316
338 Rutledge A L	P18-4232
339 Spano J F	P18-2796
340 Baines R	P18-6178
341 Lawrence C A	748-0350
342 Stuka D C	747-2410
343 Lisanti C J	P18-2564
344 Fetterly Helen	P18-2897
345 Villhauer R C	P18-3979
352 Donna J A	P18-1743
353 Clark E J	P18-3858
354 Hansen D R	747-2056
355 Smith R E	P18-7056
356 Carnella J J	P18-9477
357 Everard E R	P18-6799
358 Norman G L	P18-4826
360 Sabino D	748-2261
361 Kern P O Jr	P18-4538
362 Scheel C H	P18-3836
363 Zinsmeister R L	P18-2916
364 Hirschberg E H	747-2181
365 Lenke G J	748-2567
366 Stetser G A	P18-8724
367 Darling H L	P18-4069
368 Etakorn R L	P18-2230
369 Havlicek C	P18-5558
370 Caldwell E E	P18-1810
371 LaFontaine L	P18-3811
372 Elder T M	748-2173
373 Horvitz M	747-5181
374 Stevenson A	P18-4383

BLACKSTONE AV
(OLYMPIA FIELDS)

*Eustis Chas Roofg	P18-0606
Olud E I	P18-5691
Lets G	P18-3394
Sipes F C	P18-3677
4040 Westlund P C	P18-8937
4055 Olson R E	748-9311
20234 Lombardi V	747-0536
20234 Lombardi Rose	747-0337

BRAE BURN RD

21 Resnick B	P18-1161
22 Storms T A	P18-6631
25 Silverman W J	P18-6656
26 Ziegler G Jr	P18-5815
26 Ziegler Susan	P18-9915
29 Cohodes L I	P18-6908
29 Cohoes J	P18-2424
35 Duke S W	P18-6407

BROOKSIDE DR

6 Romano F A	P18-5585
10 Stenerson F	P18-4957
10 Stenerson R M	P18-9254

BROOKSIDE DR
(OLYMPIA FIELDS)

Connolly J	P18-0910
21002 Braun M	P18-3107

BROOKSIDE CT
(OLYMPIA FIELDS)

705 Pickrell D A P18-8577

BROOKWOOD DR
(OLYMPIA FIELDS)

Swallow W J	P18-7895
318 Bushroo F J	P18-8971
325 Griggs J O	P18-9293
341 Davis A C	P18-3567
408 Smith R W Jr	748-1750
409 Schoep A H	P18-2606
460 Hogarty J H	P18-0203
500 Mayer C A	P18-9584
506 Schorner R T	P18-8556
512 Irwin C H	748-5694
517 Zinsmeister L C	P18-1151
518 Ovist E B	P18-0750
524 Bauer R A	P18-8918
530 Hopper C B	P18-2727
541 Rust K C	P18-0458
601 Klein D P	P18-7274
618 Burk A V	748-7738
624 Green J J DDS	P18-0206
631 Poby M T	P18-0356
642 Terry P A	P18-5267
648 Mills F Jr	P18-7749
658 McLary M R	P18-5546
675 Bards R S	748-6628
676 Longangino T F	P18-3212
681 Hogan T E	P18-0426
687 Cedar G	747-3596
699 Johnston W A	P18-7441
717 Hagmann F	P18-8516
747 Zanco V	P18-8494
752 Jones R W	P18-0485
753 Battaglia S A	P18-2563
759 Rockwell B S	P18-7077
767 Mathew W A	P18-5522
776 Hirsch C H	P18-1088
783 Sundberg L L	P18-0354
787 Camp Verna H	P18-7278
792 Goetten J F	P18-5319
793 Lough R	748-0520
797 Erdmiller D W	P18-8032
799 Arnold R C	P18-7391
807 Rosenblum P	P18-4255
815 Hebble W	P18-0112
816 DenHerder M J	P18-4337
824 Smith P T	P18-0653

BROOKWOOD TR
(OLYMPIA FIELDS)

Richmond R	P18-7729
373 Garen M	P18-6338
401 Patterson J	748-4817
436 Wortman H R	748-8070
693 Ryza W S	P18-2117
741 Brougham E R	P18-0765
780 Daly J	747-3747
791 Hilker F C 111	P18-7777

BUTTERFIELD PKWY
(MATTESON)

21227 O'Neill L Jr	747-1751
21231 VanderBrug	
Duane E Rev	P18-9021
21236 VanCuyvere G	P18-0141
21300 Blanchard L R	P18-2690
21301 Zeltner L W	P18-0719
21305 Artwohl J R	P18-7189
21306 Schmidt O J	P18-8557
21309 Ensor J E	747-3648
21310 Goyak E A	P18-9518
21319 Shore C	P18-7877
21320 Stell L	P18-8061
21326 Lundahl S Rev	747-0541
21402 Rinkus A S	P18-2670
21403 Ufan T H	748-3564
21404 Erikson A C	P18-0407
21405 Walker J R	P18-3127
21407 Mogaard T E	747-0572
21411 Busback D C	747-3772
21413 Nelson H O	P18-7911
21417 Appelbaum M	P18-0527

CEDAR RD
(RICHTON PARK)

Marvin G W	P18-4279
3710 Lundquist C A	P18-6054
3714 Wasilewski L	748-8619

CEDAR ST

17 Knafel J M	747-8952
21 Bolcer T H	748-6572
22 Ryan Ann G Mrs	747-0562
24 Carlson B H	748-0697
25 Rose J F	747-1350
26 Bailey P	747-8796
28 Snalley A C	747-1212

89 Doherty J R	747-8305
30 List Aubrey	747-1487
32 Elford D L	748-8263
35 McCollister F	747-1563
36 Daniels B C	747-3180
37 Seaton T A	747-3626
38 Green G K	P18-3540
40 Harris J A	748-7858
43a Rasmussen J K	748-2674
45 O'Keefe J F	747-3019
47 Schlacks J J	747-8097
48 Model A E	747-1067
49b Matthias D L	747-8339
50 Gallagher W G	748-6692
53 Eowman J C	747-3752
55 Geldeand D M	747-0308
56 Landis E S	747-8723
57 Burback J L	747-0789
64 Raimondo R J	747-1068
65 Salcedo A G	747-1939
66 Hallin L	747-1620
73 Crutcher D Mrs	747-2719
75 Cronis Dorothy	747-1104
78 Morgan W S	748-2095
79 Stanley P P	748-2992
80 Leaf C A	747-3149
82 Fricke T E	747-3857
84 Cameron R A	747-1940
86 Ribble P	747-8152
87 Cory H R	747-1628
89 Weber P J	747-3117
93 Deatley R G	748-7673
97 Rae J J	747-1454

CENTRAL AV
(MATTESON)

Dahlmann E	P18-0919
765 Hawkins E E	748-1516
801 Moretz V J	748-6790
806 Shewake R L	747-1936
824 Barrett E S	747-8222
842 Kyle D R	748-2279
853 Catlett C S	747-2227
911 Sinclair E T	748-1496
954 Strand J R	747-1631
958 Jeffers R C	748-7340
966 Dorsey E J	747-3077

CENTRAL AV
(RICHTON PARK)

Dettmering Dora P18-9057

CENTRAL PARK AV
(RICHTON PARK)

Anthony J B	P18-2183
Dutton A H	P18-6658
Halach R	P18-1797
Hedegard H H	P18-7243
Kerslager G J Sr	P18-6648
O'Rourke J W	P18-4045
*Rocket Bldrs Inc	P18-8600
Wittern J	P18-5990

Listings Continued In PARK FOREST

CENTRAL PARK AV

21801 Setty C F	748-1146
21811 Martin W P	P18-5837
21921 Finley J Maj	747-1927
21931 Jones C W	P18-1597
21841 Monroe M S	747-8712
21851 Hoge A C	P18-7019
21901 Baruch L J	P18-2790
21911 Lynch O J	P18-1848
21921 Jurgens F Maj	747-2562
21931 Henry J R Maj	747-1760
21941 Stearns R C	747-3715
22001 Healy J E	P18-3551
22011 Reising E W	P18-2615
22031 Kares K H	747-8363
22041 Klund C W	748-7775
22051 Wardensky W	748-9588
22101 Tohen H	P18-1794
22109 Wheatstone D E	P18-6808
22115 Lowdermilk	
Theo Maj	747-8963
22125 Orris W	P18-2454
22205 Wells A F	748-0386
22209 Morris G	P18-4513

CHARIOT LN
(OLYMPIA FIELDS)

2724 Collins R L	747-1302
2749 McErlan N A	748-4090
2763 Petravice P P	P18-5630
2825 Wisconsin F H	747-8383

CHERRY ST

55*SouthEndlitz&AirCondng
Company 748-5250

54 Marconi F	747-0267
57 Harnish J D	747-1218
58 Reich T W	747-8980
60 O'Connor P E	747-0275
62 DeBenham P	748-4436
63 Taft W L	747-8322
64 Zimmerman G T	P18-8883
65 Brown E W Jr	P18-5927
66 Turner J W	747-0321
67 Lee F	P18-3460
68 Priestley Mary	747-3479
69 Shonrock W	P18-1414
70 Baskin L C	747-8877
71 Bernberg M P	P18-4275
72 Hub R E	747-0253
73 Gisondi J	P18-7272
75 Castelli E P	P18-2523
77 Sullivan H W	P18-2459
78 Sister Mary	
Norbert	P18-4264
79 Finnstad D R	P18-0258

CHESTNUT CT

3 Potter C E	747-0671
4 Zuraw A	748-9198
5 O'Bryan J D	748-1323
6 Scott H A	747-3812
7 Kutchins M W	747-2039
8 Thompson T W	747-3221

CHESTNUT ST

100 Moore J W	747-3276
101 Mallers W C	747-1955
102 Walsh J P	747-0525
103 Buzby J E	748-1575
104 Bruske E H III	747-0826
105 Christie C H	747-3280
106 Carey J J	747-3910
107 Gould I	747-1341
108 Pohl R D	747-8459
109 Rich S	748-4067
110 Jaffee M N	748-3364
111 Hanson L V B	747-2628
112 Jacobson Rachel	747-3711
113 DeFoe D P	747-3776
114 Turner E W	747-2957
118 Yale M	747-3407
118 Yale Maria W	747-2573
120 Jensen R MD	747-1122
122 Hofeldt J W	747-1065
124 Hogan R C	747-1773
126 Bastian J W	P18-1399
130 Warneke E A	747-2871
132 Warner D T Jr	747-0943
134 Heisterberg E M	747-1233
136 Gold F	747-8940
138 Hoganson S	P18-3311
140 Matteson E K	747-2610
142 Blats F J	748-0310
146 Brauner L H	747-0176
148 Davey J W	747-0361
150 Sainsbury E P	747-2104
152 Murphy W E	747-8212
154 Yacker J	748-1865
156 Ross W J Jr	747-1386
158 Cornelius J H	747-2185

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1 Calfee M D	748-1162
2 Lorenz H S	747-8338
3 Forbes A E	748-0363
4 Footitt J L	748-4175
6 Graves R F Jr	747-1234
7 Lukaszewski A E	747-1990
8 Trevorror A Jr	748-2740
9 Altenbern T E	748-2980
10 Solarte H	747-3008
11 Turak J F	747-3925
12 Sokoloff M	747-8288
13 Hall R G	748-7565
14 Ross V H	747-8527
15 Bedrosian C	747-1376
17 Eggetaff	
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18 Lynch J	P18-6937
19 Kagner G W	747-9840
20 Bacheider T E	747-0727
21 Meyer F A	747-2742
22 Miller L L	748-3041
24 Wozniak E Maj	748-1457
25 Waters P M	748-5946
26 Gregerson L G	747-2394
27 Houston J A	747-2499
28 Koltzan W	747-1548
29 Giroux V J	747-2082
30 Brennan M J	748-9173
31 Buckley F J Jr	747-2373
32 Leindecker M G	748-6623
33 Termini P	747-1974
34 Lam D J	747-8527
35 Colten T H Mrs	748-7029
36 Boyles R M Capt	749-0763
37 Wiars J L Jr	747-2882

38 Ashbacher E M	748-4825
39 DeVries C	747-2659
40 Gram C	747-2978

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*Cont'l Baking Co	P18-4242
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Keith G D	748-5462
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*Richton Pk Lbr	P18-3900
Stuenkel L	P18-8539
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20505 Kuzman M A	P18-0399
20713 Kvedaraser R	P18-5720
20721 Crisler R	748-6660
20739 Beasley T	747-0291
20749 Pauling L	747-2776
20813 Jones W J	P18-8901
20815*Pasternak E DDS	747-8731
20901 Novotny W R	P18-0617
20939 Bell J T	748-2630
20943 Kvedaras A	P18-7036
20749 Meyer M A	P18-0133
21003 Sullivan K	P18-8496

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96 Armstrong T F PI5-4542
98 Clark D C PI6-0729
99 Williams F L PI6-0729
100 Spanberger A G PI5-7525
102 Douglas L I PI6-5310
103 Lillman R B PI6-7068
105 Friedman P L PI4-9654
108 Updegraff J T PI6-6810
112 Lucas J J PI5-5334
114 Heitkeper B L PI6-5663
120 Slavin W H PI6-5726
124 Halm R L PI6-6204
125 Jackson A C PI6-5946
127 Hedrick H J PI6-5177
128 Hoddinott B Jr PI6-5255
130 Farley J F PI6-4829
131 Miles R W PI6-4970
133 Henderson R D PI6-5282
134 Vorrisey W A PI1-8253
137 Schultz C C PI6-6558
139 Edmondson C C PI6-3803
140 Taulor K PI6-7422
142 Harris J C PI6-7005
143 Nelson R A PI5-7334
144 Everett C PI6-9400
145 Patterson J PI6-6221
146 Norgan W W PI6-3689
148 Verna A F PI6-6096
149 Hutman M PI5-3035
150 Sharp B J PI6-3223
151 Smith H L PI6-0726
152 Bauer V J PI5-3788
156 Spurgeon K M PI6-5283
158 Kramer A PI6-5299
162 DeCarli H P PI6-6183
164 Brewer D A PI6-6927
166 Crandell J W PI5-5830
168 Flynn A J PI6-0944
172 Spindler G M PI6-5900
173 Savides H A PI6-6390
174 Kellett B PI5-7640
175 Wells W W PI4-2953
176 Painter J W PI5-8009
178 Zellner W R PI4-0337
181 Phillips C P PI6-3676
182 Herbig J E PI4-5347
183 Haase H PI6-6096
184 Phillips R J PI4-5790
186 Borczon R S PI6-5947
187 Trout R C PI6-5869
189 Davis D E PI6-7341
190 Nelson W A PI4-0812
191 Cedrick R S PI6-6749
192 Raham R C PI6-5247
193 VanBeest K PI6-6113
195 Graves T J PI6-5111
196 Fields G E Capt PI6-4225
198 Riggs D E PI4-9144
200 Luedtke R F PI5-3005
202 Dyer R A Capt PI6-4364
206 Britt R O PI5-9128
209 Royce L W PI6-5796
210 Olson D A PI6-5230
211 White E M PI6-6409
212 Billeter H R PI4-5535
214 Cronin C F PI6-3993
215 Short F J PI6-2273
218 Milbergo A PI6-3564
219 Verna E D PI6-4247
220 Wagner R T PI6-4266
222 Peirson A PI5-5796
224 Stout F W PI5-3998
226 Parker R PI6-4150
228 LoSchavo Julia PI6-2473
232 Strenkowsky H J PI6-3819
234 Inshara T PI6-5526
236 Jora H P PI6-6516
239 Hesson R C PI6-5382
240 Metzler P C PI6-6785
242 Morris A PI6-6495
244 Watkins D L PI6-6888
246 Miller E S PI6-3963
248 Greene P H PI6-6911
250 Dan M E PI6-5922
252 Koberly C W PI6-5325
256 Hicks J Jr Capt PI4-8978
262 McAleese J PI6-3246
268 Overick R L PI4-5349
272 Milne R P PI6-4079
284 Campbell E J PI6-2169
286 Faust R D PI6-2622
288 Gerth E PI6-3308
290 Bonane P PI6-6519
292 Fowler J E PI6-6114
294 Maher T P PI6-5910
296 Abraham P PI5-7594
300 Sorrells E N PI6-5636
302 Krieger M Maj PI5-0123
304 Antonson C PI6-5254
308 Wilson J P PI6-6921
310 Elgin J B PI6-1769
314 Kauphus D PI6-5676
316 Havens J L PI4-6420

318 Beaumont J PI6-0554
322 Hayes Clare T PI6-7180
322 Schmidt W K PI6-7730
326 Barton W J PI4-8297
328 Lynch W T PI6-5620
332 Schmidt W K PI6-7730

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1 Waggaman R PI5-2710
3 McCabe J S PI6-6570
4 Bell A Q PI6-5882
5 Powell R K PI6-5614
6 Tarrell M PI5-7796
7 Jaffe A PI5-9025
8 Berghage J PI4-6089
9 Kruse C PI5-0298
10 Rahr R PI6-6966
11 Castle R E PI6-5996
12 Lox W E PI6-5966
13 DuVal L C PI5-2669
14 Scher L G PI6-6820
15 Neveling B PI5-6151
16 Spirea T E PI5-3919
17 Gregerson L G PI6-5394
18 O'Brien E J PI6-4730
19 Chastek Dale J PI4-9370
20 Carne A A PI5-2863

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2 Hoffman PI6-5739
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4 Jeffreys R J PI6-6306
5 Drew J PI6-5421
6 Childress H P PI5-0047
7 Davis L F PI6-6929
8 Ise C PI6-1638
9 Jacobson L H PI5-6664
10 Crosson J D PI6-4995
11 Dahlstrom R H PI6-6542
12 Englander H Dr PI6-6669
13 Wilmes D J PI6-4933
14 Dobson J R PI6-4565
15 Shindle R PI6-6692
16 Simon E H PI6-6710
17 McLatchie D E PI6-5210
18 D'Achille L J PI6-5647
19 Floyd J PI6-2785
20 Mooney G E

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111 Chen M C PI5-2221
112 Covent P J PI6-6675
113 Malone R L PI6-6944
114 Van R W PI6-5658
116 Stack A PI5-3111
118 McGugan D A PI6-4654
119 Metaxas T PI5-5114
120 Blachley M K PI6-5936
121 Davis G W PI6-4518
122 Schellenberg R PI5-1130
123 Passavant J J PI4-5275
124 Brooks R R PI6-3471
125 Hagers R F PI6-5855
126 Lang A PI6-5381
127 Henry T J PI6-5565
128 Correll G M Lt Col PI6-5820
129 Epstein L S PI5-4764
130 Wills P R PI6-5590
131 Gartner A J PI6-6253
132 Smaller S E PI6-5380
200 Bajorek E F PI5-5615
202*Bruckner C F Insurance Agency PI6-5700
203 Greenberg E PI5-9327
204 Boersta G A Jr PI5-8320
205 MacWilliams R C PI4-4388
206 Schuchman N W PI6-6415
207 Wells E E PI6-6324
208 Paul L PI6-6883
209 Herwald E M Jr PI6-5689
210 Schmitt P M PI5-5984
211 Larsen C W PI6-6111
212 Muzik P F PI6-6660
213 Beraha L PI6-0967
214 Ziegler T PI5-2180
216 Lasher S PI5-6089
218 Beverwyk G PI6-5671
219 Ulrich A PI6-3505
220 Hershberger C PI5-2074
221 Rosenberg H L PI5-7516
222 Schultz R F PI6-5698
223 Schaub D J PI6-6927
224 Roberts J A PI6-6598
225 Maros P E PI6-6872
226 Patterson J PI6-5438
227 Friedhelm P PI4-2473
228 Kane A PI5-7834
229 Bena W PI6-6579
230 Brounstein C J PI6-5436
231 Cline K L PI6-6251
233 Penn J F PI6-6422

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2 Ward M S PI4-8106
3 Hill C S PI6-7939
4 Kenny T H PI6-3626
5 Luff J V PI6-5965
6 Everline J R PI6-4150
7 Hettel H J PI6-4606
8 Field H R Jr PI6-6262
9 Bending M J PI6-5976
10 McConnell W J PI6-5422
11 Simpson H P PI4-6866
12 Stancovich J PI6-5870
14 Stein A D PI5-0271
16 Maxwell W W PI4-6108
20 Russel A L PI4-6211

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1 Cola R M PI6-6600
2 Huidobro I PI4-8098
4 Lausa J L PI5-3076
5 Stayner R PI5-5365
6 Crouse J L PI6-5978
7 Linsay R E Jr PI6-6257
8 Pardue T W Capt PI6-2203
9 Rubiano Eleanor PI6-6726
10 Strother D A PI6-7715
11 Siebert H H PI5-8856
12 Peterson D W PI6-6834
13 Oliver L E PI4-6138
14 Lundstedt L Jr PI6-4957
15 Nash G R PI5-9589
16 Moyer R R PI4-8703
17 Mather C E PI4-4547
18 Shain I PI6-6892
19 Sullivan R W PI4-6112
20 Christensen John A Jr PI5-7710
22 Elam B R PI4-8308
24 Woha J E PI6-6084
26 Jones C T PI5-8306
28 Freudenstein H PI6-6040

BIRCH LN

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650 McAvoy F C PI6-5153
651 Yaseen R N PI4-4950
674 Herron W L PI4-2683
683 Ignelski R L PI5-9434
695 Blanton Verna PI6-5035

BIRCH ST

20 Elliott J O PI6-4017
22 Brown W B PI5-3439
32 Paquin G N PI6-6720
34 Young R F PI5-1999
36 Gillingland B R PI6-4660
38 Marshall S PI6-6411
42 Donahue J R PI6-6264
44 Paquin H R PI6-6705
46 Wilson A H PI5-0191
52 Allen S C PI6-7047
56 Smith M E PI6-6533
58 Harris R A PI6-3339
60 Akin H B PI4-5875
64 Gaywood J T PI6-6187
64 Anson C K PI4-9175
68 Hinkle J A PI5-2125
70 Carter R D PI6-4268
72 Burger V T PI6-3345
74 Haase H C PI6-6695
76 Zierbel R PI6-7495
78 Venable H W PI6-3485
84 Smith D R PI5-2132
86 Rodewald L E PI6-4297
90 Hanson J A PI6-3341
92 Schroer J D PI4-2365
94 Albini J PI4-6346
96 Hackerman I N PI6-5171
98 Owen D R PI6-0678
100 Shaw J B PI6-6184
102 Herkert R J PI5-8127
104 Richardson S W PI6-6594
106 Schrader D B PI6-6112
108 Gleason M L PI6-6107
110 Olson G L PI6-3770
112 Coyle E L PI6-3433
114 Meguerian G R PI4-5565
116 Taoy A C PI4-3931
118 Fleming C W PI6-6960
120 Thomas D L PI6-7736
122 Jernigan H B PI6-6206
124 Uhrich G J PI6-6453
126 Anderson R S PI6-5023
128 Saterston S W PI6-2942
127 Eckert S W PI6-6049
129 Miller H H PI6-7018
130 Hunger J E PI6-6310
131 McNamara J J PI6-4828
132 Higgins R O PI4-8168
133 Lishan H PI5-3023
135 Bayless R E Jr PI6-6595

136 Reiter G R PI6-5704
139 Kays A E PI6-5582
139 Carlsen D I PI5-3653
142 Jerome A E PI6-6521
143 Baker P PI6-6083
146 Gernoske J PI6-6831
148 Colby D C Jr PI6-2810
149 Kusma M PI6-6279
150 Schriefer G E PI6-7717
151 Dean R L PI4-2789
156 Patterson O Jr PI6-6816
157 Wheeler R J PI6-0645
158 StClair W H PI5-0045
159 Swain G P PI5-3242
160 Middleton K N PI6-4918
161 McEvoy J E PI6-5257
162 Mitchell W K PI6-6857
163 Dunsforth R B PI6-5134
164 Bloom T A PI6-5130
165 Coleman D A PI6-5352
166 Kilborn A S PI6-1580
167 Palmer A PI5-5162
168 Ogren C PI6-6873
169 Grossmann R E PI6-6815
171 Marquart W W PI6-2677
172 Thorne D V PI6-4551
173 Phelan R G PI6-2863
175 Sturdy H L PI4-7376
176 Eaton E N PI6-7391
177 Kranendonk C J PI6-3088
178 Lourie A M PI5-1167
179 Sharpe G A PI4-1373
180 Smith F L PI6-4655
181 Castelow D PI6-4683
182 Boehm J PI4-7828
183 Kline N L PI6-5967
184 Haggum Jean F PI4-2401
186 Monson G A PI6-5322
189 Harrison O PI5-8551
190 Roberson C Jr PI5-4089
190 Kummer D W PI6-6369
192 Joelson H PI6-2377
193 Lafond A L PI6-5958
194 Ray H M PI6-6672
195 Waite A W PI6-2535
196 Bang M A PI5-2604
202 Organtini J C PI6-4525
204 Lee G V PI6-4319
204 Willamson E K PI6-5538
206 Kluck W A PI5-3383
208 Scott J H PI6-6699
210 Roth H PI6-5493
212 Sone R PI6-3928

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52 Schlesinger PI8-3396
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53 Sharrocks C PI8-2728
55 Hiles O L PI8-3912
57 Kennedy C D PI8-5554
62 Abramson F H PI8-4086
64 Sulkin W PI8-4115
66 Barraca D D PI8-3860
68 Capretta J N PI8-7161
70 Brunner F C PI8-5465
72 Turkel L PI8-1433
73 Keenan R B PI8-3139
75 Keenan B Mrs PI8-6478
74 Conant H D PI8-6859
75 Feurer W E PI8-5881
76 DeLue R PI8-6840
77 Dotten H J PI8-2716
78 Kavanagh D P PI8-5714
80 Alt C O PI8-1611
102 Deemer R B Jr PI8-4838
103 Dugan L B PI8-3444
104 McKeenan V G PI8-2341
105 Andresen E W PI8-6996
106 Wagener A P Jr PI8-5448
107 O'Malley T J PI8-4207
108 Moody H L PI8-2775
110 George J A PI8-7358
112 Bingham C K PI8-1355
121 Fallick S S PI8-3411
123 Ensminger M H PI8-3256
125 Rose W PI8-7640
127 Barrett G F PI8-2967
129 Henning R G PI8-3322
130*Blackhawk School Dist No 163 PI8-1316
131 Trueman I L PI8-4396
133 Fernald R C PI8-3261
134 Wood Quentin H PI8-2279
135 Woodyard W C PI8-1605
136 Larsen J L PI8-5537
137 Frankel D PI8-2941
138 Ecker R C PI8-3505
138 Ecker Emma A PI8-7610
141 Kant A PI8-1658
144 Bovey J C PI8-3670
145 Parker R A PI8-3630
146 Elliot L F PI8-4046
147 Soule Betty J PI8-3815
148 Anderlik T J PI8-3763
149 Thilmany J W

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150 Christian A M PI8-5258
151 Thompson T W PI8-7236
152 Dalson M H PI8-7186
153 Petolic A PI8-5733
154 Clayton R R PI8-3309
156 Barrett G F Jr PI8-3042
157 Gilbert R PI8-3109
159 Sison M R PI8-8115
160 Helsing Shirley PI8-2661
162 Samac E F PI8-1942
163 MacQueen M E PI8-1513
164 Darrell A M PI8-1540
166 Lubet F PI8-4343
167 Young J E PI8-2808
168 Sloan J W PI8-3033
169 Fisher G S PI8-2405
201 Spahn J R PI8-5478
204*Sweet Tooth Shp PI8-4440
206*ParkForestBkry PI8-2723
208*Park Forest Blackhawk Liquors PI8-2222
210*Tower Hdw PI8-4141
211 Butera M J PI8-5361
212*John's Beauty Salon PI8-1840
216*Chic-A-Nic PI8-3010
217 Eisenrath A M PI8-4551
218*Conkey Cleaners & Launderers PI8-6309
224*Conservatory of Music PI8-3400
226 Lazzare R J PI8-5085
230 Jewell E E PI8-7510
232 Merica R PI8-5074
233 DePeder J P PI8-4896
234 Wright G P Jr PI8-2880
235 Gooch F V PI8-3329
236 Gray D W PI8-1190
237 Wien G L PI8-2663
238 Gehrig G PI8-2840
239 Voll E L PI8-3283
240 Chesley M PI8-5979
241 Mesick F P Jr PI8-4822
242 Moyering H PI8-5442
244 Clynne W C PI8-1249
245 Redenske L PI8-7352
246 Whale D L PI8-3275
247 Johnson Carl C PI8-4769
248 Burton J E PI8-3319
250 Gansa P C PI8-1901
251 Ziangos S P PI8-2043
252 Peralta R PI8-7335
254 Phelps W C Jr PI8-4781
255 Blissell L W PI8-1373
256 Krueger R H PI8-5165
257 Greathouse H PI8-3738
259 Sunden R E PI8-3103
261 Danielson C A PI8-3527
262 Berge S W PI8-4510
263 Kunkle C F PI8-4654
264 Fredrickson R L PI8-6901
265 Mahon Elizabeth PI4-4043
266 Madalinski R E PI8-5955
267 Rubin M PI8-2859
268 Barnes W E PI8-1227
269 Kahn J PI8-2559
270 Fleischmann J J PI8-7210
271 Koehl D P PI8-2049
273 Wood R S Jr PI8-3863
275 McDonald W B PI8-6749
303 Morse C A PI8-2572
304 Braunstein S O PI8-4214
305 Henkel R D PI8-4375
306 Krauter M PI8-3740
307 Bennish L PI8-5626
308 Lohmann W H PI8-4276
309 Sutton R E PI8-5370
310 Polye R PI8-5845
311 Blair Anie E PI8-7055
312 Kravitz K Mrs PI8-3259
313 Taylor P R PI8-5370
314 Mandelico H C PI8-1497
315 Rose J M PI8-2263
316 Land W H PI8-1918
318 Karate R PI8-4238
320 Loebe W G PI8-5832
322 Thiesson O PI8-6395
324 Dobson P H PI8-6232
325 Cole V A PI8-5549
327 Blandy R A PI8-7654
328 Jackson H H PI8-5079
329 Aschbrenner G W PI8-6518
330 Blue Margaret PI8-6533
331 Krawczyk Doris PI8-3973
332 Jones R W PI8-2171
333 Kelly E J PI8-7446
334 Sheffler J H PI8-1287
335 Sefton R E PI8-5199
336 Clary R F PI8-7316
339 Ratledge A L PI8-4252
339 Spano J P PI8-2796
340 Saines R PI8-6178
341 Greaver N J PI8-2393
342 Born K L PI8-5414

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343 Lisanti C J	PI9-2564
344 Fetterly Helen	PI8-2997
345 Villhauer R C	PI8-3979
352 Doane J A	PI8-1743
353 Bugher R D	PI8-3656
354 Lane G	PI8-3271
355 McElowney W J	PI8-3047
356 Sabino D	PI8-5234
357 Everard E R	PI8-6798
358 Norman G L	PI8-4826
359 Wade W E	PI8-7334
360 Langford R E	PI8-3090
361 Kern F G Jr	PI8-4532
362 Scheel C H	PI8-3836
363 Zinsmeister R L	PI8-2916
365 Nichols J W	PI8-2188
366 Golland R	PI8-3614
367 Darling H L	PI8-4069
368 Etzkorn R L	PI8-2230
369 Halvick C	PI8-5558
370 Caldwell E E	PI8-1810
371 LaFontaine L	PI8-3811
372 Presley L I Maj	PI8-5906
374 Stevenson T R	PI8-4383
375 Novak J A	PI8-2029

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*Eustis/ChasRoofg	PI5-6602
Sipos F C	PI5-3697
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Glod E I	PI4-5691
Lets C	PI4-4394

BRAEBURN RD

22 Storms T A	PI8-6631
26 Ziegler G Jr	PI8-5815
27 Anderson O Col	PI8-3048
29 Cohodes L I	PI8-6908

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6 Romano F A	PI8-5585
10 Stenerman F	PI8-4957

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Connolly J	PI4-0910
21002 Braun M	PI4-6107

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Licht C A	PI5-4346
*Olympia Woods	PI4-4447
Swallow W J	PI4-7895
325 Griggs J C	PI4-1293
341 Davis A C	PI5-5833
337 Kelner G	PI4-5457
408 Lofstrand O	PI6-5851
460 Hogarty J H	PI4-0203
500 Mayer C A	PI5-9584
506 Schorer R T	PI6-6556
509 Naymer J A	PI6-6427
517 Zindmeister L C	PI6-5577
524 Bauer R A	PI6-6918
530 Wessell B	PI6-5612
541 Rust K C	PI6-6458
624 Green J J DDS	PI5-1206
631 Poby M T	PI6-6548
631 Hogan T E	PI4-7426
642 Terry P A	PI6-5267
648 Mills F Jr	PI6-7749
658 McLary M R	PI6-5546
705 Pickertell D A	PI5-6726
717 Hagemann F	PI6-1516
747 Zanco V	PI5-1494
752 Jones R W	PI6-5485
767 Nather W A	PI5-5522
776 Hirsch C H	PI4-1088
787 Camp Verna H	PI6-5878
799 Arnold R C	PI5-9391
807 Bauman J H	PI6-3399
815 Hebble W	PI6-6866
816 DenHerd M J	PI5-4337
824 Smith F T	PI6-3128

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Richmond R	PI4-7729
333 Geren M	PI4-6338
741 Brougham E R	PI5-6765

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21232 Weiner M C Jr	PI4-1234
21236 Vandevyvere C	PI6-7141
21300 Blanchard L R	PI5-2490
21301 Zeltner L W	PI6-5719

21305 Artwohl J R	PI6-7189
21306 Schmidt O J	PI5-9557
21310 Coyak E A	PI6-2518
21319 Shore C	PI6-7877
21320 Stoll L	PI4-6768
21326 Lamberty K G	PI5-7484
21402 Pocius G	PI6-3683
21403 Moser G G	PI5-9372
21404 Erikson A C	PI5-7407
21405 Ippel G L	PI6-3758
21407 Kogaard T E	PI4-1412
21411 VonGuten J H	PI6-3068
21413 Nelson H O	PI5-3911
21415 Holmes P E	PI6-2636
21417 Appelbaum M	PI6-3527

CEDAR RD**(RICHTON PARK)**

Narvin O W	PI5-4279
3710 Lundquist C A	PI5-6054

CEDAR ST

15 Marcin W A	PI5-7554
17 James W K	PI6-5729
19 Nelson C G	PI6-6199
21 Mattieson P	PI6-4327
22 Ryan Ann G Mrs	PI4-0542
23 Walther R E	PI6-5783
25 Rose J F	PI4-6350
27 Gravenites G P	PI6-5599
28 Smalley A C	PI4-7212
31 White A	PI4-7143
32 Swartz L	PI4-6140
33 Barth H O	PI5-9266
35 Sullivan R F	PI6-6043
36 Daniels B C	PI5-7180
37 Fulmer W P	PI4-6594
38 Mail J B Jr	PI6-6931
39 Fisher D W	PI6-5120
40 Seibert J T	PI4-5740
41 Joles I	PI6-6487
42 Robay W M	PI6-6089
43 Long Laura	PI6-5707
44 Stroh J	PI5-8052
45 Amos G	PI5-4981
46 Taylor J M P	PI6-4233
47 Schlacks J J	PI5-6097
49 Harrington T F	PI6-5817
49 Moyna J T	PI6-6498
53 Moore T D	PI6-6269
56 Landis E S	PI6-7723
59 Reddig C E	PI6-4345
60 Smith J M	PI6-6919
61 Heath O C	PI6-3475
62 Sauer B P	PI5-0128
63 White C D	PI6-6078
65 Salcedo A G	PI6-4939
67 Hattendorf G F	PI5-3934
68 Moeller G E	PI6-5391
69 Moore B	PI6-5313
71 Thomas R D	PI6-5829
72 Johnson R G	PI6-3859
73 Harrison S A	PI6-5056
75 Burle M L	PI6-6937
75 Zywicko C C	PI6-6318
76 Gossett J W	PI6-5849
77 Malone K L	PI5-9269
78 Mikesell W R	PI4-7934
79 Peo F A	PI5-8739
80 Brady R J	PI6-5298
81 Leahy P H	PI6-5149
81 Paris D H	PI6-6901
82 Walsh J E	PI6-4643
83 Szeigla H R	PI6-3378
84 Baker C B	PI6-2099
86 Wilson P C	PI5-0339
87 Zusschlag E F K	PI6-5684
89 Carrisa R W	PI6-5926
91 Rugge G	PI5-8381
95 Aichele C B	PI6-5550
95 Jahn H R K	PI6-4917
97 Moffett W C	PI6-6768

CENTRAL AV**(RICHTON PARK)**

Dahlman E	PI6-0919
Detmering Dora	PI5-6057

CENTRAL PARK AV**(RICHTON PARK)**

Anthony J B	PI8-2183
Dutton A H	PI8-6659
Halach R	PI8-1797
Kerslager G J Sr	PI8-6648
Stawicki F P	PI8-5846

Listings Continued In

PARK FOREST

CENTRAL PARK AV

21801 Setty C F	PI8-1146
21811 Ragsdale R F	PI8-4281

21831 Jones C W	PI8-1587
21841 Brown D C	PI8-2718
21951 Hoge A C	PI8-7019
21901 Baruch L J	PI8-2790
21911 Lynch G J	PI8-1848
21921 Miller W H	PI8-5377
21931 Warfield Mae	PI8-3229
21941 Strauss R P	PI8-3551
22001 Healy J E	PI8-4712
22011 Musselwhite J	PI8-2955
22021 Templeton R E	PI8-3343
22031 Harris L A	PI8-2905
22041 Skrivan G T	PI8-2919
22051 Grimm G L	PI8-1794
22101 Tchen H	PI8-2226
22105 Hammes P A	PI8-6808
22109 Wheatstone D E	PI8-1379
22111 Ryan E L Jr	PI8-2719
22115 Gieske C H Jr	PI8-1034
22119 Turner E W	PI8-2454
22125 Orris W	PI8-1654
22205 Baldwin J W	PI8-4513
22209 Morris G	

CHERRY ST

53*Greenwald A P	PI8-7229
54 Marconi F	PI5-0267
56 Bock E A	PI4-6019
57 Chamberlain G H	PI5-4092
58 Adams F E	PI6-5397
59 Phelps C J	PI8-7024
60 O'Connor P E	PI5-0275
61 Janssen R F Jr	PI8-2934
62 Oberndorf H M	PI5-1692
63 Taft W L	PI8-3145
64 Robertson J L	PI5-7316
65 Brown E W Jr	PI8-5927
66 Turner J W	PI4-9321
67 Lee F	PI8-3460
68 Priestley Mary	PI5-2479
69 Shonrock W	PI8-1414
70 Baskin L C	PI6-6677
71 Bernberg M P	PI8-4275
72 Lipscomb G S	PI5-7441
73 Giesond J	PI8-7292
75 Castelli E P	PI8-2523
77 Sullivan H W	PI8-2459
78 Sister Mary	
David	PI8-4264
79 Sullivan H J	PI8-4369

CHESTNUT CT

3 Potter C E	PI6-7671
4 Zuraw A	PI6-5198
5 McDade T	PI4-8335
6 Scott H A	PI6-4812
7 Kutchins M W	PI6-5039
8 Ralston R O	PI6-4827

CHESTNUT ST

100 Moore J W	PI6-5276
101 Mallers W C	PI6-4955
102 Mays W E	PI6-7608
103 Harrout T C	PI6-5057
104 Brustke E H III	PI6-7649
105 Christie C H	PI6-5280
106 Carey J J	PI6-4910
107 Gould I	PI4-1341
108 Pohl R D	PI6-7459
109 Kerridge G S	PI6-5842
110 Gans J	PI5-3073
111 Davis G W	PI6-5029
112 Jacobson G H	PI6-3711
113 Anderson J D	PI4-8353
114 Howell R C	PI6-7737
118 Tale M	PI4-6593
120 Jensen R	PI6-6630
122 Hofeldt J W	PI6-5065
124 Hogan R C	PI6-1773
126 Weiner L H	PI6-5175
128 Liao C K	PI6-4508
130 Warneke E A	PI6-4871
132 Warner D T Jr	PI6-7943
134 Halsterberg E M	PI4-6233
136 Gold F	PI5-8940
138 Garibotti D J	PI6-2789
140 Hamm G E	PI6-4870
142 Malone J R Krs	PI6-5174
144 Nicolosi S J	PI5-0775
146 Branner L H	PI6-5176
148 Davey J W	PI6-4808
150 Sainsbury E P	PI5-6104
152 Larson LaVern	PI6-5040
154 James R O	PI4-7063
156 Ross W J Jr	PI4-4386
158 Cornelius J H	PI5-2185

CHOATE RD

1 Beeson P D	PI6-5846
2 Tuttle C L	PI5-3958
4 Burchard W J K	PI6-6326
5 Calvert J W	PI4-4478

6 Halton F J III	PI6-6161
7 Gruver R D	PI6-5892
8 Porter R W	PI4-6119
9 Egoroff N M	PI6-5885
10 Schlaug A G	PI6-6243
11 Turek J F	PI6-5925
12 Coe R G	PI5-9542
14 Wishart W W	PI6-7540
16 Bolander D B	PI6-6135
17 Schwartz H	PI6-5938
18 Little R T	PI6-0523
19 Wagner G W	PI6-6940
20 Neilson J	PI5-2694
21 Mohri A F	PI6-6520
22 Albin H W	PI6-6282
23 Robertson J Maj	PI6-6041
24 Kumagai H M	PI6-7829
25 Ford H E	PI5-4660
26 Wright J H Jr	PI5-0593
27 Ginsberg S	PI6-6394
28 Sawyer J C	PI6-6671
29 Day J W	PI6-6541
30 Shipman R E	PI5-2916
31 Footitt J L	PI5-6115
32 Weiselman H	PI4-6117
33 Kronschnabel A	PI6-3217
34 Mitchell R A	PI4-1460
35 Magill R H	PI6-7388
36 Westergan W G	PI6-6130
37 Wilson M A	PI6-4095
38 Foster P	PI5-7937
39 O'Donnell A J	PI6-5650
40 Gram C	PI6-4978

CICERO AV**(MATTESON)**

Beccue O G	PI6-5494
Blume G	PI5-0900
Blume L	PI5-6730
*Contl Baking Co	PI4-1552
Dahlman R J	PI6-0799
Fulkerson C R	PI6-2432
Garinas G	PI4-6864
Hoger S	PI5-4691
*Howard's Standard	
Service	PI6-4890
Kohl R	PI4-9201
Kuhlmann W H	PI6-5633
Keyer L	PI5-7755
Olson Mary	PI4-4147
*Richton Pk Lbr	PI4-5908
Rohling M	PI4-9330
Seiter G J	PI6-5566
Stuenkel L	PI5-6056
Ulrich A E Rev	PI4-0558
Vaughn R	PI4-6281
20501 Ziebell R	PI5-0240
20505 Kusman M A	PI6-6399
20713 Sulzberger R	PI6-5720
20721 Crisler R	PI6-6847
20911 Maher J J	PI5-5495
20913 Jones W	PI4-8901
20915 Myers G H	PI4-1355
20901 Novotny W R	PI5-7617
20943 Benson W H	PI4-0900
20949 Meyer N A	PI6-6454
21003 Sullivan K	PI5-4496

COUNTRY CLUB DR**(OLYMPIA FIELDS)**

Armitage J S	PI6-5325
Carey L E	PI6-5167
Gardner W R	PI6-4932
Griffin L H	PI6-5147
Hearn R J	PI6-5747
London W L Mrs	PI6-5317
Pascalle L R MD	PI6-2006
*Rose Constr Co	PI4-7002
4 Patton R J	PI5-1056
5 Evans R A	PI6-2077
6 Silavage P L	PI5-3614
8 Boecker A J	PI5-0158
23 Holly H	PI6-0939
24 Collinsworth	
Even T Jr	PI5-6568
28 Zeller M	PI5-7817
29 Elmore R O	PI5-9606
31 Foster J W	PI5-2348
34 Conway P A	PI4-9231
35 Roche J P	PI6-7656
36 Gooder R W	PI5-9923
37 Carlson G	PI4-2272
2521 Crittenden H C	PI5-5571
2529 Motluck W J	PI5-6579
2550 Warren R J	PI6-7372
2610 Holly G S	PI6-6153
2717 Lodato V	PI4-0128
2717 Lodato V	PI4-4397

CROMWELL RD

2 Strickler H L	PI6-5269
4 McQuaid C G	PI5-5712
6 Humes W R	PI6-4899

8 Ottesen M K	PI6-6175
9 Gilbert J K	PI6-6226
10 Johnson D V	PI6-5468
11 Patterson R A	PI5-9239
12 Nichols A E	PI5-2119

DAVIS AV**(RICHTON PARK)**

PARK FOREST

SK - Skyline

167

126 Kellam R P SK6-1629
127 Zeit J E SK5-3877
128 Rutland M SK6-1823
129 Lasko Joy M Mrs SK6-2003
129 Carlson R W SK5-7781
130 Galloway J R SK4-9058
131 Miles R W SK5-3030
132 Knox J H SK5-8248
133 Lisk R J SK5-3111
134 Frank P SK5-3522
135 Shibley G O SK6-2537
136 Baechler W J SK5-1378
137 Schultz C C SK4-8263
139 Berninger W J SK4-4836
140 Kessler W R SK6-0574
141 Lathrop A A SK4-0371
142 Bourland C E SK6-2049
143 Nelson R A SK5-7334
145 Patterson J SK5-9400
146 Watkins J H SK5-0124
147 Elden P E SK6-2176
148 Keho P SK5-4273
149 Huisman M SK4-6096
150 Sharp B J SK5-3035
151 Mumert J R SK5-2491
152 Bauer Betty SK6-0726
153 Lennie R C SK4-6155
154 Jordan L H SK5-1012
156 Spurgeon K M SK5-3789
158 Keene H F SK5-0554
160 Beck R C SK5-1104
164 Schwartz B SK5-1415
166 Painter J W SK4-2953
168 Graibus B P SK4-1298
172 Munro J SK4-7431
173 Sroog A W SK5-5581
175 Wells W W SK5-7640
176 Swayer J D SK4-0598
177 Anderson C Waj SK4-6432
178 Zellner W R SK5-8009
179 Reno E SK6-0524
180 Jones R B Col SK4-8432
181 Phillips C P SK4-0337
182 Herbig J E SK6-3676
183 Hulse H SK4-5347
184 Messer R P SK5-9163
185 Hinkley J W SK4-5335
186 Gardner D L SK5-7853
187 Hawkins W L SK5-6629
188 Schellenberg R SK5-1130
189 Herron R L SK5-0119
190 Kovach M SK4-7425
191 Dedrick R S SK4-0812
193 Lohmes J E SK4-7001
194 Hill D SK6-0585
195 Richtigsteig W W SK6-3581
196 Brody G G SK5-2842
198 Murphy D A SK4-8200
200 Mitchell G E SK4-0209
202 Snyder R M SK6-2916
204 McAvoy R E SK5-2016
206 Ledbetter J W SK5-5944
208 Cronin B SK4-5828
209 Witt E N Rev SK5-7339
210 Burke J E SK5-6791
211 Hansen J A Jr SK5-3628
212 Stevens D D SK6-2521
213 Sachau R G SK4-7774
214 Cronin C F SK4-5535
215 Short F J SK6-3983
217 Ross P C SK6-0747
218 Wilbergs A SK6-2273
219 Klingner D S SK4-7870
222 Peirson W R SK4-4266
224 Stout F W SK5-5796
226 Parker R SK5-3998
230 Morkel E A SK6-3574
232 Strenkofsky H J SK6-2473
234 King C R Capt SK5-3211
236 Curran M S Col SK6-0955
238 Hanegold W K SK6-3752
240 Tibbets J B SK4-2435
242 Miller R SK4-2812
244 Slinger M SK5-8128
246 Scudder W H SK4-9197
248 Campbell W C SK5-1001
250 Martin W R SK6-0743
252 Brooks Q SK6-2485
254 Greene P H SK6-3963
256 Ryan L F Jr SK6-2403
258 Maxson F A SK5-6542
260 Shander O A SK5-0522
262 Rollins B L SK5-8976
264 Garcia A R SK5-4264
266 McCune W L SK4-9040
268 Rosenkrans C A SK6-2065
270 Carr R G SK5-1343
272 Glesner R H SK5-3657
274 Swift S SK6-3584
278 Milne R P SK4-5349
280 Allison E E SK5-4323
282 Bariski N SK6-4079
284 Turner E J SK4-3124
286 Boehringer J R SK6-4074
288 Bacon R L SK5-5822
290 Fischer G J SK6-3439

294 Kane A SK5-7834
296 Abraham P SK5-7594
298 Reilly R C SK5-8338
300 Gordon D F SK6-2609
302 Wilkes J Lt Col SK5-3585
304 Morton P Capt SK5-2904
306 Dupont M J SK5-0509
309 Gentry C B SK5-3435
310 Jackson F SK4-3418
316 Whelpley H E SK4-4058
318 Beaumont J SK6-0554
320 Boardman
Thos G Lt Col SK4-1634
322 Ormond N H SK5-5319
324 Garton J B SK5-4268
326 Barton W J SK4-8297
328 Allen R F SK4-8915
330 Gerardy W Capt SK4-0262
332 Lanthier J Capt SK5-7577

BAILEY RD

1 Waggoner R SK5-2710
2 Knapp E A SK4-5476
3 Schwartz S H SK4-8522
4 Bowen R C SK4-7109
5 Lasher S SK5-6089
6 Tarrell M SK5-7796
7 Warner R SK5-2372
8 Bernhage J SK4-6039
9 Kruse G SK5-0298
10*Art Crayon Co SK6-2380
11 Martyn F E SK5-1193
12 Ruff H A Lt Col SK5-3876
13 DuVal L G SK5-2669
14 Kavanagh C A SK4-8082
15 Neveling A F Jr SK5-6515
16 Spires T E SK5-3919
17 Hasey R A SK6-0544
18 Myres P R SK4-4880
19 Inman J E SK5-2805
20 Carne A A SK5-2863

BENDER RD

2 Jacobson J H SK4-8014
4 Broderick J R SK4-7756
5 Wagner R H Maj SK5-0099
6 Romanoff S SK5-2033
7 Davis D F SK5-0047
8 Kerr G E SK5-0277
9 Jacobson L H SK6-1638
10 Hartsell Dale E SK4-6535
11 Koenenman M H SK6-3148
12 Hawkins R A SK4-6242
13 Eickelberg A B SK6-1975
14 Yost H SK5-6094
16 Bruska E E SK4-4355
17 Higgins J R SK6-0633
18 Phelps L L Jr SK5-0035
19 Read R H SK6-2720
20 Koonney G E SK6-2785

BERTOLDO RD

1 Newfield L SK4-6170
2 Ward M P SK4-8106
3 Spurlock H F SK6-0716
4 Morel G H SK4-7213
5 Kern E SK4-6822
7 Greif H J SK6-2875
8 Johnson W S SK4-7087
9 Hellinski J Capt SK5-3950
10 O'Leary T J SK6-2845
11 Garfield L SK5-2418
12 Kreskow G SK6-1680
14 Stein A D SK5-0271
16 Maxwell W W SK4-6108
18 Brandeis A I SK4-6173
20 Russel A L SK4-6211

BIGELOW RD

1 Smith C M SK4-7536
2 Hudobro I SK4-8098
3 Ericson A A SK6-3732
4 Woker O G SK5-9340
5 Jensen Lucy E SK4-5855
6 Bradley J R SK4-0442
7 Toy G R SK5-8166
8 Hall H G SK5-9379
9 Foster P SK5-7937
10 Harris W R SK5-3986
11 Oseas N SK4-0108
12 Jones H Jr SK5-6109
13 Oliver L E SK4-6138
14 Barnes R F SK5-8049
15 Cassidy J R SK5-2309
16 Meyer R R SK4-8703
17 Kennerly C O Jr SK4-4490
19 Oltzinger J J SK4-7263
19 Sullivan R W SK4-6112
20 Weber W T SK5-6218
22 Elam B R SK4-8508
24 Omvig J SK4-1061
26 Cooper H J SK4-4398

28 Whisler K J SK6-2411

BIRCH ST

20 Weist H C SK6-1558
22 Brown W B SK5-3439
24 Wirth C J SK6-2194
26 Swartzel A D SK4-6039
28 Curry J A SK5-2245
30 Crego G R SK4-9394
32 Taub W SK6-2876
34 Rau C D SK6-3874
36 Dove A C SK4-6023
38 Schraudenbach F SK5-1581
40 Plank T M SK5-6225
42 Hicks R J Jr SK6-1894
44 Smith J O SK4-9316
46 Galloway R Maj SK5-3178
48 Jealous D SK5-3956
50 Bean R O SK5-9248
52 Zimont E SK4-4176
54 Wehaffie C M SK5-7511
56 Lee C M SK6-2918
58 Swenson E S SK6-4061
60 Akin H B SK4-5875
62 Wood K R SK4-4271
64 Anson C K SK4-9175
64 Palacios J P SK4-8316
66 Wylie W W SK4-4385
68 Rouse J SK6-3024
70 Toolis E A SK5-2044
72 Jones D P SK5-8313
74 Tierney J B SK5-8981
76 Fisher H SK5-2261
78 Venable H W SK6-3485
82 Yates P R S SK6-0592
84 Winkler L E SK5-5722
86 Field S C SK4-5555
88 Tibbetts M L SK5-5685
90 Walters C M SK5-7885
92 Spencer G P SK4-4098
94 Neguerian G H SK4-5565
96 Evered J O SK5-8278
98 Borley A W SK5-2362
100 Murphy Alberta SK6-1896
102 Herkert R J SK5-8127
104 Arons M W SK5-0016
106 Beatty G E SK5-4974
108 Keefe W H SK4-4263
110 Redman C G SK6-3817
112 Badenoch D A SK4-6833
114 Schwarz W SK5-3615
116 Tacy A C SK4-9391
118 Durnin J Dr SK6-3616
120 Smith H C SK6-1727
122 Lodge E H SK4-4953
124 Dunaway F R Jr SK5-7453
125 Evered J W SK6-0885
126 Satergson G SK6-2942
127 Puttman B K SK5-7813
128 Mason R J SK5-8764
129 Stewart G Capt SK5-2738
131 McNamara J J SK6-2023
132 Hazlett R H SK5-7515
133 Lishan H SK5-3023
134 Parlett G H SK4-5077
135 Crane P J SK6-3170
136 Weir W C SK6-1702
137 Germany T G SK6-1965
138 Peterson G W SK4-1776
139 Guthrie E D SK5-3918
140 Andrews J A SK4-0319
141 McGuire J R Jr SK4-1518
142 O'Shea Mary K SK4-0945
143 Wilkinson D Jr SK5-8354
144 Green R A SK4-9361
145 McCamish R D SK5-6876
146 Peralta R J SK6-3976
147 Norris E R SK5-2174
149 Blackford E E SK6-3775
150 South R E SK4-2067
151 Kaley A W SK5-1836
152 Galvin J SK5-0167
153 Kress C W SK6-2318
154 O'Connell J D SK5-7220
156 Holm B E SK6-2938
157 Wheeler R J SK6-0645
158 Balkin C E SK4-1428
159 Swain G P SK5-3242
160 Woolnough C H SK5-9338
161 Shaw W H SK4-9182
162 Rosenblum J SK5-1736
163 Hieser E R SK5-3933
164 Pierce R A SK4-8607
165 Gottesman S SK6-2906
166 Kilborn A S SK6-1580
167 Delbecq C SK5-5965
168 Stoffel R H SK6-0566
169 Meyer W S SK6-2428
170 Donohue J C SK6-2654
171 Coleman J R SK6-3763
172 Watry W J SK5-6222
173 Phelan R G SK6-2863
174 Everett
LeRoy Lt Col SK6-0599
175 Stady H L SK4-7376

176 Fidler J W SK5-2777
177 Kranendonk C J SK6-3068
178 Lowrie A M SK5-1187
179 Sharpe G A SK4-1373
180 Waters C R SK4-7637
181 Wolff C SK5-7440
182 Sullivan J E SK6-3594
183 Larsen R P SK4-7548
184 Anderson W K SK5-6155
185 Hensold H H Jr SK5-7646
186 Clayton T A SK6-3631
187 LaVergne M E SK6-2053
188 Applegate G F SK4-4118
189 Harron G SK5-8551
190 Roberson C Jr SK5-4089
191 Malone R L SK6-0710
192 Joelson H SK6-2377
193 Hastings G A SK4-9358
194 McDougall M L SK6-4078
195 Dingee P E SK4-0840
196 DeMun R N SK5-3750
198 McNamee R C SK5-6069
200 Arbeen H A SK5-2208
202 Litchfield H M SK6-1626
204 Halenkamp C L SK5-7838
206 Kieck W A SK5-3383
208 Romney J SK4-6107
210 Delamer C J SK6-3494
212 Anderson C R SK4-7513
214 Mattie E C Jr SK6-2869

BLACKHAWK DR

52 Schlesinger
Robt B Dr SK4-0396
53 Crothers T T SK5-7783
55 Heffner R W SK4-7852
57 Freyvogel R Jr SK5-3717
66 Barrasa D Dr SK5-9115
68 Capretta J H SK5-3860
70 Brunner F G SK4-7161
72 Turkel L SK5-3465
73 Keenan R M SK5-1433
75 Keenan B Mrs SK6-3139
74 Carle R D SK5-9432
77 Scott J B SK4-3058
76 DeLue R SK4-5881
77 Dotten H J SK4-6840
78 Kavanagh D P SK5-2716
80 Alt C O SK4-5714
102 Deemer R B Jr SK5-8355
103 Martin J R SK5-7514
104 McKeohan V G SK4-3444
105 Andresen E W SK4-1541
106 Wagener A P Jr SK5-7996
107 Kirk E E SK4-6345
108 Kendrick L W SK6-2477
110 Watkins A T SK4-0479
112 Bingham C K SK4-7358
121 Fallick S S SK4-9355
123 Ennsinger M H SK5-0411
125 Rose W SK4-3256
127 Barrett G F SK4-8660
129 Henning R O SK5-7967
130*Blackhawk Schl SK5-0322
131 Lewis R SK4-7449
133 Fernald R C SK5-4396
134 Skinner F SK4-2886
135 Williams T B Jr SK5-7123
136 Perillo J A SK5-2960
137 Layton D E SK4-7394
138 Ecker Emma A SK4-3505
141 Kent A SK4-8610
143 Band I SK5-3768
144 Garland R F SK4-7374
144*Paragon ConstrCo SK6-2910
145 Parker R A SK4-3670
146 Wachter F Capt SK4-4351
147 Rakow L P SK4-3658
148 Anderlik T J SK4-3215
149 Thilmany J W SK4-3763
150 Hitchcock N C SK5-7090
151 Thompson T W SK4-7236
152 Dalson M H SK5-3186
153 Petolick A SK4-5733
154 Clayton R R SK5-3309
156 Barrett G F Jr SK5-9377
157 Gilbert R SK4-3109
158 Whynott E H SK4-8019
159 Simson M R SK4-8115
160 Ensinger J Mrs SK4-6947
161 Tolbin S SK5-8938
162 Samac E F SK4-7942
163 MacQueen M E SK4-6513
164 Darrell A M SK5-1540
165 Berry T A SK4-5219
166 Lubet F SK5-4343
167 Reichart M P SK5-3313
168 Sloan J W SK5-3033
169 Hagner F G SK4-7274
201 Spahn J R SK4-5478
204*Sweet Tooth Shp SK6-3460
208*Park Forest Bkry SK6-2723
Liquors SK6-2222
211 Mesick F J SK4-0088

BLACKHAWK DR-Cont'd

212*John's Salon SK6-1840
224*Park Forest
Conservatory SK5-3400
230 Jewell E E SK4-1510
232 Dugan W SK5-6584
233 Rozensky A SK5-3462
234 Wright G F Jr SK6-0880
235 Kearns R M SK5-0927
236 Gray D V SK5-1190
237 Roof J H SK5-1480
238 Quasta V N SK4-2540
239 Voll E L SK5-3285
241 Mesick F P Jr SK5-4822
242 Pabiolke O H SK4-7349
243 Callison G K SK6-2731
244 Clyne W C SK5-6249
245 Redemski L SK4-7352
246 Whale D L SK4-3273
247 Johnson C C SK5-0187
248 Burton J E SK5-3319
249 Davies R SK5-8183
250 Gansa P G SK5-6901
251 Ziegas S P SK5-2043
252 McDonald Vera SK5-0086
254 Skulstad A W SK5-6364
255 Schroeder W P SK4-7867
258 Davis J SK5-4203
259 Sundin R E SK4-7519
260 Gacynski E SK5-8194
261 Danielson C A SK4-3327
262 Squier R L SK4-0447
263 Kunko G F SK5-9634
264 Fredrickson R L SK5-0901
265 Yates W E SK4-9231
266 Madalinski R E SK5-3955
267 Rubin M SK6-2259
268 Barnes W E SK5-7981
269 Kahn J SK6-0359
270 Maloney J M SK4-3492
273 Wood R E Jr SK4-3865
275 McDonald R J SK5-7519
282 Perkins W D SK4-7565
283 Hoobler H E SK4-7840
284 Richardson S O SK5-1988
285 Henkel R D SK5-0375
286 Krauter L SK6-3740
287 Bannish L SK4-5624
288 Stephens R P SK5-9281
289 Clarke W C SK5-8055
290 Polys R SK5-5845
311 Peschey R E SK4-7169
312 Wiegand R J SK5-1102
313 Kioskowski L SK4-1801
314 Hobbs A C SK5-5813
315 Rose J M SK4-2265
316 Sheehan J P SK6-0735
317 Galloway A C SK4-2354
318 Karate R SK4-0232
319 Aubuchon W B SK4-1495
320 Morris P L SK4-1643
322 Ballatin H J SK6-3425
323 Wertes R J SK5-3079
324 Rust H H SK4-1605
325 Mitchell C T SK5-5929
327 Blandy R A SK5-3654
328 Hunt R J SK4-8296
329 Thourson T L SK4-3978
331 Kravczyk W SK4-3973
332 Jones R W SK6-2171
333 Kelly E H SK5-7446
334 Sheffler J H SK4-1704
335 Sefton R E SK6-2189
336 Clary F R SK6-3316
338 Roodledge A L SK6-9258
339 Doolittle R Maj SK6-4351
340 Baines R SK5-6178
341 Greener H J SK4-2383
342 Bland S R Comdr SK6-0863
343 Lisanti C J SK5-2564
344 Zinsmeister L C SK5-0151
345 Villhauer R C SK4-3979
352 Dalton J SK4-3368
353 Bugher R D SK4-3636
355 McElowney W J SK6-3047
357 Everard E H SK5-6798
358 DeCarlo V SK4-2316
359 Edwards R L SK4-4791
360 Bailey G A SK4-2484
361 Korn F J Jr SK6-8532
362 Scheel C H SK4-3836
363 Swanberg D SK5-7924
364 Conway E J SK5-4519
365 Volkammer O J SK6-1621
366 Golland R SK4-3614
367 Darling H L SK5-9069
368 Etzkorn R L SK4-2230
370 Caldwell E E SK5-7810
371 LaFontaine L SK4-7811
372 Klein B B SK4-0314
373 Hobbes O H SK5-5765
374 Stevenson T R SK4-0503
375 Novak J A SK4-2029

CHABLIS LN

NT.	GERMAK RD E	80408 CONT
7	CHELINO Kumbady + COUNTRY PLACE APTS DOWELL Martina HECKLER Angela JACKSON Wendell	815-458-8301 815-418-2267 815-458-3394 815-458-0362 815-458-0821

LOVELL Kevin	815-458-8522	+1
PAMPUCH Lynn	815-458-8468	
PAMPUCH Ghazal	815-458-8469	
PAMPUCH		

	PANCIK	815-458-9223	
	PATTERSON Brenda	815-458-3233	
	PODSCHKE Karen M	815-458-2431	+
	RUSSOTTI Phonda	815-458-0334	
	SOMER David C	815-458-0823	+
	STATES Lyle D	815-458-0823	+
	SWINNEY Ray	815-458-0462	+
	THRAEN Andrea	815-458-6322	+
178	*****		
	WENIGER B K	815-458-9225	8
	179 XXXX	00	
	185 XXXX	00	
	186 XXXX	00	
	188 XXXX	00	
	190 MARCELL Keith	815-450-3776	4
	197 HAROLD Jack	815-458-4937	4
	245 CATHALAN Karen	815-458-2220	4
	247 XXXX	00	
	* 1 BUS	35 RES	12 NEW
8			
4			
2			
1			

CERMAK RD W 60408
BRAIDWOOD

WEALTH CODE 51

143	XXXX	00	
177	©CICHY James F	00	+
184	JACKSON Kenneth	015-450-837	8
189	BROWN David	815-450-4410	0
	RISK Holy	815-450-8410	0
228	©BERNER Kenneth C	815-450-3131	3
240	©WELLY Alan	815-450-3009	0
252	©CARRER Lois M	815-450-4068	0
283	BAILEY Larry	815-450-9922	4
303	NAVARRO Freddie	815-450-0336	0
304	©LIL THURGOOD	815-450-2844	8
318	©WYATT George A	815-450-8711	3
347	BILL	815-450-4531	0
347	©MARRS Robert J	00	+
368	SMITH Peter	815-450-0447	8
376	©SMITH Rhonda	815-450-0447	8
478	©HEDENSHOUG D	815-450-2872	3
491	DONN J	815-450-5184	0
506	©JAMES AND CITY SPORTS	815-450-2872	0
516	©MOW Bryan	815-450-3063	5
517	©SMITH Bridget L	00	+
521	©ANDERSON Richard D	00	+
523	BULTON B M	00	+

545	• GONAS MARIANE	015-458-0902	+9
547	• FRANKOVICH Geo W	015-458-0355	+9
551	• TURPIN S	015-458-3590	6
555	• RICE Cynthia	015-458-3834	+9

563	PRICE James	00	+
563	XOXX	00	
567	W BROADWOOD CTRY FIRE	015-458-0061	
	NONEMER		
	CHRYSLER Grog A	00	+
787	W HOBARD Street W	015-458-2234	
803	W H S Todd	015-458-3587	
24381	XOXX	00	+
24390	GEASA William R Major	015-458-0379	
24391	SWATHPATRICK Michael	015-458-6161	
24326	SWAN Byron	015-458-2987	
24322	LORD John	015-458-9696	
25160	XOXX	00	+
25119	PAULEY Richard E	015-458-6685	
25131	XOXX	00	
25147	SCASNY Jan F	015-458-2538	
25211	JONES Tina	015-458-0254	
25210	THOMPSON Audrey	015-458-0126	
25209	THOMPSON Tina	015-458-0128	
25223	VOKEY Paul	015-458-3443	
25229	WELLS Stacey A	015-458-0335	
25233	WALLACE George	015-458-4360	
25294	EDMONDS David M	00	+

25249	GICHY James F	00	71
25258	XXXX	00	
25347	XXXX	00	
25408	XXXX	00	

6	25406	LESTIVA Josh	151-555-2532	
	25407	LESTIVA Josh	151-555-2532	
	25408	LESTIVA Josh	151-555-2532	
3	25412	LAVICKA Ead A	151-555-2522	
	25420	XIXXX	151-555-4220	
	25423	BURRILL C	151-555-4200	
	25424	XIXXX	OO	
5	25431	ANDERSON Jesse	151-555-4170	
	25500	ROCK Robert	151-555-4761	
	25503	RZESUT/KNO Randy	151-555-4500	
	25505	TAYLOR Hanny R	151-555-3028	
	25548	ROZEAN Gene M	151-555-4471	
	25549	XIXXX	OO	
	25561	Kuller Trevor	151-555-2329	
	25562	XIXXX	OO	
	25563	CAYANALUGH Scott	151-555-1514	
	25565	BUNTON B	151-555-4140	
	25711	XIXXX	OO	
7	25721	HORSLEY Floyd	151-555-4818	3
	25722	HORSLEY Ronald	151-555-5002	
	25763	BRICKWOOD J F	151-555-2574	
	25767	LAHMAN Laura	151-555-2574	
	25845	SMOCK Gary G	151-555-6425	
	25850	WILLIS Gary	151-555-6114	

26023	KNIGHT David	815-458-8263	40
*	3 BUS	75 RES	18 NEW

CESSNA CT 60451
NEW LENOX

WEALTH CODE 60

800	KUCZYNSKI Janice	815-485-6047	
	KUCZYNSKI Stephen	815-485-6047	
	KUCZYNSKI Stephen Child	815-483-0353	8
801	XXXX	00	
804	*WILHELM David	815-485-3603	
805	*WRIGHT Center H		+9
808	PETERSON Dore	815-485-7472	
	*PETERSON Linda	815-485-7472	
809	XXXX	00	
812	*BATREWICZ Wayne A	815-485-8381	
X	BOEING DR		
*	0 BUS	10 RES	1 NEW

CHABLIS LN (96) 60544

8 PLAINFIELD
+9

WEALTH CODE 8.0				
0				
+9				
+9	18103	@GREEN Gary Jr	815-439-8907	7
2	18111	@KITTLE John P	OO	+9

CENTRAL PARK AV S
60428 HAZEL CREST

X BIRCHWOOD DR
17002 RICE Michael E 336-1354
17003 DEWALD Wm A 336-3988
17004 COHMAN John E 336-3043
17005 CLARK Robert 336-1877
17006 XXXX
17007 GUYARD J 336-0648
17008 CHENYHKO Michael 336-0658
17009 XXXX
17010 BYRNS Kenneth 336-0829
17011 OLBERT B 336-0458
17012 XXXX
17013 JACOBSON Lois 336-0228
17014 SHAW Douglas O 336-0485
17015 XXXX
17016 XXXX
17017 XXXX
17018 SHELTON Eugene 336-2741
17019 SMITH T 336-3810
17020 XXXX
17021 XXXX
X CHESTNUT DR
17101 GIMNEY Clayton 336-2717
17102 LEE Rella 336-4099
17103 XXXX
17104 XXXX
17105 XXXX
17106 XXXX
17107 XXXX
17108 XXXX
17109 XXXX
17110 XXXX
17111 XXXX
17112 JACOBSON Karen 336-0686
17113 FLOWERS B 336-1082
17114 FISCHER Fred L 336-2837
17115 ADAMS John C 336-1188
17116 XXXX
17117 XXXX
17118 XXXX
17119 ROBINSON Debra 336-2477
17120 ROBINSON Gerald 336-2477
17121 GASPARI Robert A 336-3193
17122 WEATHERS Aida 336-3321
17123 WEATHERS Aida CHD 336-3445
17124 BARTON Wm E 336-3445
17125 XXXX
17126 XXXX
17127 XXXX
17128 XXXX
17129 XXXX
17130 MAURAS J C 336-4176
X LAUREL LN
17201 XXXX
17202 XXXX
17203 JONES Allen 336-1902
17204 XXXX
17205 HURSON John A 336-4358
17206 XXXX
17207 XXXX
17208 XXXX
17209 CUNNINGHAM W L 336-1888
17210 BLUNT Hump 336-1888
17211 BARTIS Lolla 336-0854
17212 JACKSON John H Jr 336-3034
17213 THOMAS Paul A 336-2086
17214 OLIVER V 336-0251
X WOODWORTH PL
17301 LARNA Andrew C Jr 336-0489
17302 WILLIAMS Lee 336-1837
17303 XXXX
17304 HARRISON John S 336-3008
17305 DUNN Wm 336-4410
X HAZEL LN
17301 XXXX
17302 FOUNTAIN D L 336-0460
17303 BOND C 336-1802
17304 CARROLL Henry 336-3534
17305 CARROLL Henry 336-3534
17306 GOW Donald 336-0164
17307 LYLES D 336-0745
17308 XXXX
17309 GATSON Edward 336-5667
17310 DANKOWSKI Ed 336-1027
* 8 BUS 71 RES 4 NEW

CENTRAL PARK AV S
60430 HOMEWOOD

19154 STEWART Robt L 987-0791
X 192ND
X 198TH
19155 EVER Wm J 987-1009
X VOLLMER RD
* 8 BUS 2 RES 0 NEW

CENTRAL PARK AV S
60428 MARKHAM

X 157TH
19179 DENPNEY Kenneth C 336-2775
19180 WICK Thomas G 598-5854
19181 XXXX
19182 STANESCU Vlad 598-5183
19183 FISHER John E 336-5981
19184 XXXX
19185 XXXX HWY BAPT CH
19186 XXXX
19187 RUSH Lisa 336-7874
19188 MEADOR Wm 336-7874
19189 WERSCHE Robt M 336-5182
19190 ROBERTS Raymond 336-5844
X 159TH
19191 ABERNETHY Ben Jr 336-1738
19192 MILLER Chas R 336-2847
19193 XXXX
19194 WATSON A J 598-0178
X SUNSET AV
X 160TH
19195 XXXX
19196 CASTANEDA Dave 336-3184
19197 GARRIETT M 336-6113
X 161ST
19198 ST GERARD BELLOS ED 598-0770
X ARTHUR TER
X 162ND
19199 ABERNETHY Ben Jr 336-1738
19200 MILLER Chas R 336-2847
X 163RD
19201 HEINRY Ed H 598-9540
19202 SCARVER Jeanette 336-8482
19203 MILLER M H 336-6838
19204 MILLER A 336-8508
19205 HEAL Dorothy 336-1277
19206 PAULOWSKI Dora 336-3336
X 164TH
19207 QUACKENBUSH Geo W 336-4498
19208 PETERSON Geraldine 336-3188
19209 PARSON Maria 336-4958
X HILLCREST DR
19210 WACHOTA Walter T 336-7088
X WEDGEWOOD DR
X 167TH
* 3 BUS 30 RES 4 NEW

CENTRAL PARK AV S
60445 MIDLOTHIAN

X FRONTAGE RD
14540 THOMPSON John 368-7048
14538 XXXX
14539 XXXX
X 144TH
14402 SMITH Robt 368-8880
14403 RALPH ROSE Michael L 687-6889
14404 XXXX
X WAVERLY AV
X CRIP RY
14504 XXXX
X ABBOTTSFORD RD
14533 DEYOUNG James O 597-2371
14532 MILLINGTON Ada 368-6317
14531 FAUGHT Debbie 687-6368
14530 FAYAT Wm 687-6368
14529 CORRELL John P 488-0185
14528 WOOTEN Terrence E 368-8641
14527 RAMOS J 687-5810
X 146TH
14628 NOVAK James O 368-6800
14627 KILMER Edwin O 368-2822
14626 PANZICO Richard 368-1828
14625 GIFFORD Elizabeth 368-2854
14624 GIFFORD Kevin A 368-2854
X 147TH
14700 CENTRAL PK BIBLE CH 368-7878
14718 ENGELKE Wm C Jr 368-3887
14716 CAMPBELL Richard 687-2385
X 147TH PL
14729 PALAU Edward 368-7438
14748 BENAM Chas 371-4258
14749 XXXX
14753 AMBRIZ John II 371-0823
X 148TH
14801 XXXX
14802 PRAXL Stanley E 687-4096
14803 XXXX
14804 XXXX
14805 OSORION Chas K 688-2888
X 148TH PL
14823 BELLA Kenneth 368-2441
14822 OLIVIA Ronald A 368-2828
14821 WYNNA C 368-3332
14820 OKEEFE E B 368-5029
14819 OKEEFE J P 368-5046
14818 FELTEN B 368-2508
14817 MILLER David F 368-5414
14816 DINEEN James A 368-1442
14815 DINEEN James A 368-1442
14814 LUND AND Alexander 371-6108
14813 LUDRANO Joe 368-4776
14812 SHERMAN PAVING CO 371-4883
14811 SHONT John F 368-3492
14810 SHONT Bruce 368-5868
14809 CLUNO 371-1540
14808 SCHUPKE C 687-8817
14807 SCHUPKE R 687-8817
14806 SCHUPKE R 687-8817
14805 SCHUPKE R 687-8817
14804 GERSTEKORF Jon 687-1758
14803 GERSTEKORF Teri L 687-7909
14802 CONDT Mark 368-6189
14801 CONDT Mark 368-6189
14800 PETERSON Robt 368-3008
14799 KURZWEIL Harold J 368-4072
14798 COWLEY Robt B 368-8664
14797 SWALEC Lane 368-6887
14796 SWALEC Mark 368-6887
* 2 BUS 60 RES 8 NEW

CENTRAL PARK AV S
60466 PARK FOREST

X WINNEBAGO
21801 SWISHER E 481-5896
21802 COLLINS Eugene B 747-0987
21803 JONES Frank 481-5306
21804 BOURCHARD Frances R 748-2348
21805 XXXX
21806 XXXX
21807 HARTZ Rudy 748-5454
21808 DETCH Wm S 747-9073
21809 SUORANTA J 481-8716
21810 HUDSON M 481-2988
X WESTGATE DR
22001 MCNEER Douglas 747-4788
22002 TUCKER C M 748-3567
22003 GREGG Kenneth E 748-9278
22004 XXXX
22005 MERLO J 481-6472
22006 DAVIS Dana L 747-5382
22007 GRIFFIN Walter J 747-5182
22008 GRIFFIN Walter J 747-5182
22009 HALLDALE J 747-5711
X ELM
X WILSHIRE
22205 GAYLORD L 747-0881
22206 XXXX
22207 XXXX
X SAUK TRL
22201 ABERNETHY Ben Jr 748-8388
22202 ABERNETHY Ben Jr 748-8388
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CENTRAL PARK AV	60442 CONT
10028 SCHWITZ MATHIAS	423-7488
10033 BURT ROY C	425-2780
10037 DELISI JOS D	424-7088
10041 KREBS JOS	424-7325
10049 FITZGERALD JAMES C	423-6025+9
10108 MCCLOWRY GEO JOS	424-4085
10111 MORRIN ANDREW J	424-5511
10113 ROCHES PAUL J	424-2053
10121 TRAIOR JOS	423-6021 0
10129 DORIAN FRANCIS D	423-3829
10133 ANDERSON ELMER L	424-0142
10137 LEMART R J	422-8457
10141 PAKESER LOUIS A	425-0680
10205 XXXX	00
10211 HANRAHAN THOS W	423-2945
10219 OCONNOR TIMOTHY SR	425-1188 8
10223 SHEA FRANK J	425-0853 3
10227 RADTKE PAUL N	425-1085
10233+ OLSEN MARTYRS RCTRY	423-8110+9
* 5 BUS 175 RES 17 NEW	

CENTRAL PARK AV 60655 CHICAGO

MERRIONETTE PARK AREA

CONTINUED FROM CHICAGO CITY DIRECTORY

MAP14 23

11700 HICKS HERMAN R	388-9076
11710 XXXX	00
11729+ BILLS APPLBY SV CTR	388-4583
11735 KLINZ ERNEST J	388-4896 9
11738 TOROWSKI WALTER	388-2410
11741 BAKER A DYKE	388-5319+9
11741 DYKE HARRY	388-5351 5
11759 BANGS B	371-6254 8
11761 MCNALLY DAVID	371-6259+9
11805 VANLANTEN FRANK	388-4770
11835+ KUK EXCAVATING CO	388-2040
* 2 BUS 9 RES 2 NEW	

CENTRAL PARK AV 60658 CHICAGO

ALSIP AREA

CONTINUED FROM CHICAGO CITY DIRECTORY

MAP14 28

11900 MCMAHON JAS	597-9285 7
11902 SCHMIDT GEO A	385-7125 0
11920 BLAIR MARY	385-6187+8
11921 FLANNAN E M	388-4485 0
11940 MCMAHARA GERALD P	388-6227 8
11940 BUMP JIM	371-4888+8
11940 CHAPAN BRIAN	388-6654 8
11940 CHODORICK RICHARD	597-4407 8
11940 KRAUS RANDY	388-2859 8
11960 BENIS BRYAN F	371-3809+9
11960 LAMARGES J A	388-0836 8
11960 OHARE C	371-8453 8
11960 STOCKERT P C	388-1741 7
* 0 BUS 13 RES 3 NEW	

CENTRAL PARK AV 60472 ROBBINS

MAP14 35

13300 XXXX	00
13405 XXXX	00
13407 MCAGWAY JULIA M	388-9034+9
13410 CANAL ANDREW A	388-4250
13412 MILLER FRANCES	597-4971
13413 JONES JOSSIE P	597-0820 3
13414 XXXX	00
13415 BRANCH LEROY M	286-1295 8
13418 XXXX	00
13422 ELAND A Y	388-7311+9
13424 ELAND ROOSEVELT	388-9680
13602 JONES L P	371-6473 8
13615 STEWART SAMMIE L	388-4489+9
13617 XXXX	00
13618 STEWARD LAYNER JR	371-2890+9
13623 XXXX	00
13624 ROWE JESSE	388-1328 8
13625 GUILFORD LUCILLE W	388-4868
13628 XXXX	00
13630 HILL JOHN T	386-2185 3
13605 CARR C	388-1857+9
13610 MARTIN ELIZ	388-1810
13607 BOWENS LESTER A	597-4076 4
13608 BOWENS MURRAY A	597-4076 4
13608 JOHNSON DELORES	387-4238 8
13608 JACQUES JOS G	388-0327
13609 CARPENTER SARAH F	386-3587 6
13611 HENDRICKS BERTHA L	388-6079
13612 HOWELL WILLIE	388-4348+9
13613 XXXX	00
13613 HUNTER J	371-0859 7
13613 ROBERTS ALBERTA	386-4647
13615 XXXX	00
13632 WALLACE MARTHA	371-6884 8
13701 STEWART GRADY	388-8804 9
13718 EVANS BETTY	371-7589+9
13723 FARRIS ARTILLA	388-8876 4
13725 MARTIN JIMMIE L	388-8810 6
13727 XXXX	00
13733 WITCHER A	388-2441 8
13738 XXXX	00
13740 CRAIG MAGGIE	388-7889 1
13741 MOORE WM H	388-0823 4
13804 XXXX	00
13805 WALLER EDW	388-4010
13808 WYLLIE WALTER	388-5796
13811 CURRY LEON	388-6046
13830 XXXX	00
13832 PARISH FLORIDA	388-8873 0
13835 BRYANT A	371-5281 0
13808 XXXX	00
13810 COLE W B	388-6886 7

CENTRAL PARK AV	60472 CONT
14018 JONES ELLA	388-7187
* 0 BUS 54 RES 7 NEW	

CENTRAL PARK AV 60445 MIDLOTHIAN

MAP26 11

14349 XXXX	00
14358 COUGHEY WILLIAM H	597-6735+9
14402 SMITH ROBT	388-5880 1
14408 RANCATORE MICHAEL	597-8859 4
14410 XXXX	00
14501 XXXX	00
14538 ESPARZA ADELE	371-8630 8
14539 XXXX	00
14543 XXXX	00
14547 DUNNING DENNIS	388-6391 7
14561 STENHOUSE E M	388-7087
14562 KOKZAR JOHN M	597-4462 7
14566 XXXX	00
14580 MCNALLY THOMAS J JR	371-4878+9
14601 XXXX	00
14607 WILLIAMS JONATHAN	388-5958+9
14612 MAYE SWISHER D	597-5887 0
14613 MCNEIL JAS H	388-1166 1
14615 FISCHER PHILIP J	388-1147
14617 OMALEY BERNARD H	597-6356+9
14622 LEVILLIE EDW L	597-2529 0
14623 JAGER GERBRANDES	597-2529 0
14628 XXXX	00
14627 GUNAKA THEO A JR	388-8224
14631 KILMER EDWIN G	388-8232 7
14632 XXXX	00
14633 JABAY VERL	388-1828 8
14644 HOWE JOHN H	597-4858 8
14650 JESK DALE	388-4458+9
14700+ MIDLOTHIAN BIBLE CH	388-7676
14716 STEFFEN KENNETH-REV	388-7575 5
14718 XXXX	00
14727 XXXX	00
14731 XXXX	00
14733 XXXX	00
14738 HORN GAYLE	597-9555 8
14745 JANSEN DALE I	371-8494+9
14748 XXXX	00
14783 WROBLEWSKI PAUL P	597-2842+9
14791 PRASZCZAK C J	597-3733+9
14811 XXXX	00
14817 PRAHL STANLEY E	597-4086 3
14821 STOKOSKI DAVID	597-1974+9
14828 XXXX	00
14831 LUCHINI ANTONIO	597-1707 4
14834 BAUDONIS JOHN R	388-1864
14837 GUNAKA RONALD A	388-0828
14840 HOLLINGSWORTH D	388-9346 7
14847 XXXX	00
14859 MILLER DAVID F	388-8414
14867+ LUTCHON SIGNS	388-8558 4
14869 XXXX	00
14816 SHORT JOHN F	388-3492
14934 CUSTER H R	371-1340 5
15028 KAYVADIS DIMITRIOS	388-1069 8
15028 PETROPOULOS THOS	388-2508
15040 RUSSO TONY	388-6352 7
* 2 BUS 56 RES 9 NEW	

CENTRAL PARK AV 60426 MARKHAM

MAP26 14

15701 BROWN HOMER	338-5689+9
15702 ROCKWOOD JOE T	331-6215
15711 COSTELLO DOROTHY	331-6215
15719 ODEPSEE KENNETH C	330-2775
15727 XXXX	00
15729 XXXX	00
15741 COLEMAN CLYDE B	331-4284
15742 ROCKWOOD FRANK A	595-5420+9
15742 ROCKWOOD PAT	595-3675+9
15743 XXXX	00
15744 BILLADEAU E F	333-8110 8
15747 STAMBU VLADE	688-8126+9
15757 XXXX	00
15801 XXXX	00
15810 KNAACK JOHN D	331-2401 0
15811 JUBIO CHRIS	338-8774 3
15826 WERICKI ROBT M	331-3192
15831 ROBERTS RAYMOND	338-5544+9
15841 XXXX	00
15808+ ARROW TRANSMISSION	338-4771
15820 MILLER CHAS R	331-4771
15821 MILLER UPHILS	338-5881
15826 UELMAN JUDITH	338-9286+9
15837 GOWLEY FRANK D	333-8251
15818 XXXX	00
15827 MCCORD LOUDEN G	333-4152
15833 PANAWA MICHAEL	333-4486
15812+ STEPHAN MAJELLA SC	331-3721+8
15834 KESTRA BENI JR	595-7678 8
15825 HOWE GREGORY	598-6861 8
15830 XXXX	00
15831 ZAJAC ROBERT J	333-0110 8
15832 ZAJAC THOMAS A	333-0110 8
15833 SCHEFF MATT H	331-8558 3
15834 SCHEFF KENNETH	331-8558 3
15835 GRIFFIN DONALD W	339-2490 8
15832 XXXX	00
15840 QUACKENBUSH GEO W	333-4488
15842 DIETZ TIMOTHY	339-7375 0
15848 PIERSON MATRIA	333-4888
15822 MACHOTA WALTER T	339-7068
* 4 BUS 37 RES 7 NEW	

CENTRAL PARK AV 60429 HAZEL CREST

MAP26 26

15917 BLITSTEIN MARTIN A	336-4598 1
15918 XXXX	00
17000 HOARD M	335-3007
17001 XXXX	00
17002 KELLY JAS M	335-1838
17003 DENWIDE WM A	335-3928 3
17004 JAHN H M	335-3463 6
17004 COGHLAN JOS E	335-3043
17006 MOORE DANL R	335-0624 5
17006 CONNER GENE R	335-1332 3
17007 GRAYSON ANDREW C	335-0548 6
17008 XXXX	00
17009 LEVATO ANTHONY	335-2641
17010 GRACE KENNETH	335-0746 7
17011 XXXX	00
17012 XXXX	00
17013 HIRSON PETER M	335-0957+8
17014 SMITH RICHARD A	335-2953+8

CENTRAL PARK AV	60428 CONT
17015 XXXX	00
17016 FITZGERALD JOS P	335-3076
17017 XXXX	00
17018 XXXX	00
17019 ROBINSON DENNIS F	335-0093 4
17020 FOY THOS P JR	335-2807 7
17022 SCHWAB RONALD	335-2898
17101 NEWELL CHAS G	335-1083 0
17102 FEIPEL DONALD	335-1220+8
17105 FEIPEL NANCY	335-1221+9
17106 SCHUSTER N C	335-2694+9
17108 SHOFFNER THOS H	335-2911
17108 PRUITT CHAS B	335-1169 1
17109 PRUITT JUDY	335-1839+9
17110 MCCAULEY PAUL T	335-1279 4
17111 XXXX	00
17112 XXXX	00
17113 SKOLEK RUDOLPH R	335-3115
17114 FISCHER FRED L	335-2837
17115 HEBARN JOHN A	335-2313+8
17116 STANCIK STANLEY L	335-1915 7
17117 SAUCUNAS JAMES	335-1729+8
17118 XXXX	00
17119 GASPARI ROBT A	338-3193 0
17120 FRASER ROGER	338-0138 8
17121 FRASER WILLIAM E	335-3848+9
17122 PLUMLEE MICHAEL	335-0378 8
17123 SUNDREN STEVEN	335-0469 4
17124 SZAMATOWICZ MARTIN	338-1878 8
17126 MAURAGAS J C	335-4175 7
17203 NADBY RICHARD F	338-4222+8
17204 XXXX	00
17205 XXXX	00
17206 FUEEL ROBT	335-3581 8
17207 HUDSON JOHN A	338-4358
17208 WILLNER ROBT F	335-3543 5
17208 LINDEMAN RICHARD F	335-1479+8
17210 LOGAN WM	338-3846
17211 XXXX	00
17212 SCHULF RICHARD F	335-2892 8
17213 THOMPSON JAS J	338-4085 8
17214 MITCHELL WM	335-2190
17215 MCMAHON JAMES W	338-2159 8
17216 XXXX	00
17217 NANDAN T P	335-1284+9
17303 XXXX	00
17304 PATTI SAL A	338-2524+9
17305 PELLER MICHAEL R	338-0944 4
17306 STINE DANIEL M	338-2273 7
17307 HOLME MICHAEL P	335-2389 6
17308 NEIS DAVID	338-0131+8
17309 TRAP L NORMAN	335-2892 5
17310 XXXX	00
17311 ANDREATA LIVIO L	338-3544 6
17312 PAETSCH THOS J	338-2181 0
17314 XXXX	00
17316 AKER RICHARD A	338-4443 3
17318 FLAGG LEWIS W-3D	335-3235 5
* 0 BUS 78 RES 14 NEW	

CENTRAL PARK AV 60422 FLOSSMOOR

MAP38 2

700 CASON M H JR	798-6412
708 XXXX	00
712 RADLOVICH NICK	798-7889 8
718 WHETSTONE DONALD L	798-4158 4
724 GRAVES LESTER S	798-2235 8
736 CRUM JAS F	987-5864 6
742 HIELEMA KENNETH	987-4331 8
748 DAMON JOHN E	987-9058 7
754 VOIGT JOHN R	798-2748 5
760 KRASNER SOL H	798-8815
760 CONNER RUTH ELLEN	798-0569 7
812 XXXX	00
820 RAY EARL JR	798-1864 4
828 RULE ADA R	798-1864 4
902 BOYER ROLAND	798-8759
908 BORQUAN A	798-1888 4
918 XXXX	00
928 COOK RICHARD M	798-1751 4
948 SMITH JAMES LEO JR	798-5042 8
958 LUDVIGSON GERALD C	798-1204
968 LUDVIGSON NANCY A	987-0926 7
1002 KATZBERGER M F	798-8486 7
1023 EPHRAIME CHAS W	798-7880
1034 BENSON HAROLD G	798-2331 3
1040 PAVELA JAS A	798-4676 3
1040 TABB ISSAK	798-8107
1045 HAHN HOWARD	798-8247
1061 DEMAR CINDI	798-7083
1062 XXXX	00
1067 XXXX	00
* 0 BUS 30 RES 0 NEW	

CENTRE 60410 CHANNAHON

203 GILLAN E M	482-2020+9
302 XXXX	00
304 COOK LYNN	482-8274 5
310 COOK WM A	482-8264 0
310 XXXX	00
312 SMITH DONALD E	482-2080 6
312 SMITH PAM	482-4208 7
K & B THE	482-5267 7
805+ GREEN JOHN W	482-6378
* 1 BUS 8 RES 1 NEW	

CENTRAL PARK AV 60477 CNTRY CLUB HLS

MAP26 35

17630	XXXX	00
17686	PAMMER FRED R	798-1988
17690	OCHOAJO MICHAEL J	798-4897
17694	XXXX	00
17710	DEVREE DAVID	957-1489
17721	STRZEMP STANLEY JR	798-2478
17720	DOMERICO JAS E	798-1014
17721	MATSIS RICHARD A	798-5228
17730+	MORRISON BASBOC	857-0000
17731	STEWART DAVID L	857-0586
17741	HERRIN H LEWIS	798-3287
17750	PERKINS EUGENE JR	957-1378
17751	KNOWLES ALBERT J	798-5021
17780	DOMETITA EDGAR E	798-5948
17780	SCHWARTZ ARNOLD E	798-3582
17801	CHANG HAN K	798-3582
17810	ANDERSON DENNIS R	957-9365
17820	BER ZIGUMOND	798-9427
17851	POH JOHN L	798-8438
17890	PLACHTY WILLIAM F SR	957-5322

MICHIGAN AV S 40418 CONT	
300	SHABONA DR
301	XXXX
302	KAY F M
303	MCMILLAN Angela
304	PETERK Raymond J
305	BLANCKENBERGER Adam
306	ROCHE M L
307	XXXX
308	MCMILLAN Brian
309	COLEMAN Warren
310	XXXX
311	XXXX
312	XXXX
313	XXXX
314	STROM Gary
317	CARDINAL Al
318	CARDINAL JH
319	XXXX
320	LARSEN Ronald W
321	MCLEAN Jack E
322	OREGONIN D A
323	MCNEIL Mark A
324	XXXX
325	XXXX
326	XXXX
327	CURRY John A
328	XXXX
329	FAIRBANKS John E
330	LYNARD Mark
331	GALEWSKI J
332	ELIARTE L
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MICHAEL 60417 CRETE

520	MEYER Keith A
521	MEYER Nancy
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MICHAEL (90) 60441 LOCKPORT

1101	BURFORD David A
1102	BURFORD David A
1103	BURFORD David A
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1200	BURFORD David A

MICHAEL AV 60477 CNTRY CLUB HLS

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MICHAEL CT (90) 60448 MOKENA

15301	BLAKE Rip
15302	VANETTEN Gerald H
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MICHAEL CT (90) 60448 MOKENA

15301	BLAKE Rip	479-4456	0
15305	VANETTEN Gerald H	479-7533	2

6D488 CONT..
OO
747-9145

328	BEDGES Edw L	748-3254
327	CURRY John A	748-4728
328	LEHMAN Richard	481-1294 +1
330	PAUL Geo E	747-6048
330	LEHMAN Richard	481-1294 +1
331	XXXX	00
331	XXXX	00
332	ANNIE Kath	748-5782
X	MOHAWK	
333	MEDELSON Richard	747-8225
337	XXXX	00
338	OTT Robt J	481-6842
339	CLAYTON C	481-8195
341	XXXX	00
342	MUSSEN L	747-8148
343	BART Joan	481-2332
343	XXXX	00
X	SUWANEE	
382	XXXX	00
383	LUNKER Lewis	481-8096
384	XXXX	00
385	XXXX	00
387	KUREK Michael R	747-1312
388	PISAREK Dan J	748-0380 +1
389	POWELL Dwayne G	748-1640
390	VINCI Barbara	747-2485
391	VINCI Geo L	747-2485
393	XXXX	00
394	MCMASTER Gerald	747-2595
395	BRANDS Lewis	748-5544 +1
396	XXXX	00
397	CHANDRY Somnath	481-3269
370	XXXX	00

372	DEITCH Wm R	747-6073	6
373	ESSENHART Daniel B	748-2392	3
374	SNOW Thos E	748-4283	3
375	WILLIAMS Earl L	748-3474	6
376	HOPPER Michael T	481-2632	6
378	TUCKER F	748-8184	14
379	KRAY Wm A	747-3836	3
382	GLITZBACH Mark E	747-5513	7
X	BLACKHAWK DR		
405	COLDREN G Tracy	747-6679	1
X	SUWANEE		
X	CENTRAL PARK AV		
X	82 BUS 147 RES 13 NEW		
MICHAEL AV 60475			
CENTRAL CLUB HLS			
X 177TH			
7710	XOXX	00	
7711	SHERMAN Robert H	789-8160 +	0
7712	OLENIUK Robt H	786-2879	9
7750	XOXX	00	
7751	XOXX	00	
7801	TAYLOR Michael	788-0310 +	8
7802	TAYLOR Oaida	788-0310 +	8
7811	LOWRIE Michael A	787-3870 +	9
7812	XOXX	90	

X	179TH		
X	179TH PL		
7840	WITTORF Harold E	768-5477	3
7840	YOUNGER Karan Lee	768-5479	+8
7850	BRADY Delores	799-0024	4
7850	GULYBINA Ronald J	487-4322	7
7850	X00X	00	
7850	X00X	00	
8010	MILLER Wilbur H	798-5744	5
8020	BARRY Gao J	799-5592	
8020	BOYLAND D	857-2471	
8030	BOYLAND D	798-5737	
8060	BAKON Frank J	798-3016	
8060	KASPER Richard J	793-7154	
8060	X00X	00	
X	THOMAS LN		
★	0 BUS	23 RES	5 NEW
MICHAEL DR 60438			
OLJET			
9001	TESTA Jena	487-8903	+9
9001	TESTA Jena	487-8803	+9
9002	STONER Mark	487-4010	+9
9006	OLESTA Joe E	487-6536	+8
9009	FOX Edw L	487-4762	6
9012	DENO Earl	487-2986	6
★	0 BUS	6 RES	4 NEW
MICHAEL DR 60462			
ORLAND PARK			
X	SHERI LN		
4030	LAVARETTE George	403-1620	8
4030	X00X	00	
X	LORIN		

1100	FARRIS Paul J	348-1288	
1101	XXX	00	
1102	AMNARIK Joe B	349-1784	
1103	JAMES APPELLANT SERK	340-0785	
1104	DAVIA Ray	348-0670	
1105	XXX	349-3764	
1106	CHROSEN ELECTROLOG	348-0724	
1107	CHROSEN J P DDS	349-2724	
1108	CHROSEN JO ELCTR	348-6724	
1109	XXXX	00	
1110	XXX Richard	348-0558	
1111	MARCHESECH Gino	400-2007	+ 9
1112	MCDONALD Donald J	348-0834	2
1113	MONTAGANO John J	340-0007	
1114	BAILEY Glenn E	480-4856	8
1115	XXX	348-1100	7
1116	IPOLITO Jose R	348-2187	
1117	XXXX	00	
1118	STRASSER Wm E	348-0671	0
1119	FANGER J	348-8138	0
1120	HYLAND Teresa J	348-1227	
X	KATHY CT		
* 4 BUS	15 RES	1 NEW	
MICHAEL DR S 60405			
PALOS HILLS			
03000	MARTELLI Thos	838-1926	8
03001	XXXX	00	
03002	XXXX	00	
03003	AYALA Mario E	598-4426	+ 9
03012	SPINOS Dina	598-8382	
03013	JENKINS Esther	598-7387	7
03014	PAWLEY J	598-8704	5
03019	MCKINLEY Edna L	683-1834	4
03024	MEIRS Leo	598-1074	
03026	SMITH Gene R	598-1168	
03028	KON	598-4839	
03029	WALSH Jan J	598-1170	6
03032	XXXX	00	
03037	TPPMD Edward J	688-6892	7
03040	XXXX	00	
03048	CITTO M C	688-8378	7
03049	BENBEN Norbert T	688-7435	4
03049	BARTLETT Thomas C	430-3774	4
03050	PERKINS Marneth	598-0741	1
04000	COLLETT Robert E	688-1986	

MERTON AV 80435 CONT.
 9756 XXXX 00
 9802 PERKINS CHAS W 424-9704
 9805 VANDAM WILBERT 425-8302
 9810 NORTON SANDRA S 425-8528
 9814 NEAVES ROSS 424-3622
 9828 XXXX 00
 9834 XXXX 00
 9838 XXXX 00
 9843 SHOEMAKER LEONARD 422-0281
 9848 LOMALIE DAVID L 426-0686
 9853 MCLEAN JOHN 425-8379
 9857 BOWMAN WALTER C 425-8470
 10000 BAUMANN JEFFERY A 425-8306
 10006 GORDIANO ANTHONY 424-2888
 10007 CRABE WM H 425-8489
 10011 RAFFERTY DAN J 425-8688
 10014 XXXX 00
 10018 LOUGHE J R 424-3617
 10021 MCCOY GARY 425-8466
 10022 BALLING JOE A SR 425-0770
 10034 XXXX 00
 10040 GALLINA FRANK J 425-1486
 10044 XXXX 00
 10051 SAMS WALTER S 425-4417
 * 1 BUS 71 RES 0 NEW

MERYTON CT 80466

PALOS HILLS
 9712 CARROZZA LEWIS P DR 430-3371
 9717 MILLER CHARLES E 430-3633
 * 0 BUS 2 RES 1 NEW

MESA 80407 BRACEVILLE

23 JONES C 465-8290
 24 THAL DEANIS 465-0620
 NO # HEVINS HAROLD E 465-8289
 * 0 BUS 3 RES 0 NEW

MEYERS 80436

SHOREWOOD
 104 ANDERSON GILBERT A 725-8853
 100 JOHNSON A M 725-8671
 1122 GRABBE CARL JR 725-8111
 * 0 BUS 3 RES 0 NEW

MIAMI 80432 JOLIET

401 XXXX 00
 402 PARTILLA GUS B 729-0165
 405 MURPHY PAUL D 729-1897
 408 XXXX 00
 410 HILL CHARLES D 729-8197
 416 MAYBURY MICHAEL H 729-0982
 418 XXXX 00
 419 BUCK ROBT L 729-8236
 421 XXXX 00
 511 YAGER BILLY L 729-2616
 514 RADONICH JAS L 727-8729
 518 DAVIS JAS R 727-4119
 519 XXXX 00
 620 BRADY L M 727-7169
 621 COUCH THOS REV 727-2880
 622 XXXX 00
 623 OWEN JOHN W 722-8118
 626 XXXX 00
 628 SELF TOMMY R 729-7280
 631 PERCE CARROL F 729-0098
 634 SLICK VIRGIL A 729-0484
 635 BROWN LENA REV 729-8128
 634 ETHERIDGE RAYMOND C 729-1987
 636 RAUMAN CAPMEN M 727-3899
 638 RAUMAN ROY 729-8288
 637 STEVENS RONALD 729-8784
 604 XXXX 00
 604 ETHERIDGE CHAS 729-8572
 608 PARTILLA STEPHEN L 729-8578
 607 LUCIBART LEOARD 729-8572
 610 ALTYRE LEONARD 722-5882
 611 MEYERS LEONARD E 729-7877
 618 CHALOKA G 727-8185
 618 CHALOKA J 727-8718
 619 LAUREN L 729-8728
 620 WADSWORTH SAM L W 729-8078
 704 XXXX 00
 704 BONNETTE R JR 729-1541
 707 XXXX 00
 710 ZIEGLER RAYMOND O 729-2703
 711 NEEDAM SAM J 729-0274
 * 0 BUS 43 RES 4 NEW

MIAMI 80468

PARK FOREST

177 RITZLAFF HENRY 749-5047
 178 LEVINE FRED 749-3114
 180 GREYER BRUCE 747-1488
 181 JARVACH MAURICE 747-0028
 184 VALDEY DONALD 747-0242
 184 POKTO ORVILLE L 481-8827
 186 POSTER JOHN E 481-8354
 186 ROYER JAS E 481-7274
 187 SMITH GERALD F 748-8895
 188 KROGER WALTER A 748-8428
 189 BAMPLE JAS E 747-1849
 191 MEYER HENRY F REV 748-4420
 192 FRANKLIN E 747-1768
 193 XXXX 00
 194 FOSTER I G 748-1107
 195 GROSS LAWRENCE A 748-1899
 196 EGORFF BRUCE A 748-2844
 200 XXXX 00
 201 MILLER JEAN O 481-1771
 202 ENOEL RICHARD 481-7274
 204 ALGREN JOHN F 748-8224
 204 LOOK JOHN P 748-2475
 207 KARSTEN ROBT C 481-8955
 208 TALBERT M 748-2328
 207 PEACOCK M B 748-2007
 209 ROBEY HAROLD E 748-5141
 209 SEAMAN DAVID 747-8587
 211 COOK PAUL D 747-3787
 212 XXXX 00
 213 HENRY JAS F 748-8193
 214 STERN ROBT E 747-7084
 215 MACMURTRY SCOTT R 747-3618
 216 XXXX 00
 217 WITKOWSKY MAURICE 748-3611
 218 RUBY RICHARD W 747-8804
 220 HESPER WM F 747-0004
 221 GOMB RICHARD J 748-1402
 221 BLAIR MI 748-2084
 222 TATEO ANDREW J 748-8313
 223 MATHAY PAUL E 748-8313
 228 WILCOX ROBT M 747-8158
 230 BLACK JACK 481-1824
 231 FOUR SEASON LAWN CR 481-2034
 232 XXXX 00
 232 MITCHELL H M 481-8790
 234 GUCHE HAROLD W 748-8888
 234 WARD JOHN JR 748-4294
 237 SKAK EDW 748-4294

MIAMI 80488 CONT.
 748-1106
 238 XXXX 00
 241 XXXX 00
 241 EDWARD R 481-8089
 243 FOSTER ROBT 481-8815
 244 ZMUDA CHAS S 747-8888
 246 SAMS PATK O 748-0047
 248 XXXX 00
 249 HALL CHAS 422-0281
 249 FENICH FRED 426-0686
 250 MCALLALLY JOHN W 425-8379
 251 BETH 425-8470
 252 KENDRICK ROBT P 424-2888
 253 SULLIVAN JOHN R 425-8489
 254 XXXX 00
 257 XXXX 00
 258 YONG P 747-7412
 259 VALENTINE RADFORD 747-8174
 259 WEBB PAUL K 481-8385
 261 LEON ANN 748-3471
 263 SMITH WM J 748-3874
 264 XXXX 00
 264 XXXX 00
 301 RAY STANLEY 748-8105
 302 ROMAN MICHAEL E 481-1013
 303 PETERIA RAYMOND J 748-8384
 304 AMADOR E 748-8282
 304 BUEHLER ORLA E 748-8282
 304 STRANDBERG DONALD 748-1038
 307 XXXX 00
 308 DALLOZ A F 481-3820
 310 BEEMSTER TEO D 747-4825
 312 HARRIS HAROLD 747-4825
 320 LAUREL RONALD W 748-8087
 321 MCLEAN JACK E 748-8087
 321 MCLEAN ROBERTA B 748-8087
 322 XXXX 00
 322 MEBER MARK A 747-9148
 324 HULL A 481-4387
 324 BUEHLER ROBT L 748-3384
 327 CURRY JOHN A 748-3386
 328 DUNLAP ALBERT 747-8177
 328 LUTJ JOHN A SR 748-8100
 330 REALE THOS C 748-8100
 332 XXXX 00
 333 XXXX 00
 333 MENDELSON RICHARD 747-8253
 337 ELON DONALD C 747-4754
 339 XXXX 00
 340 CLAXTON C 481-8196
 341 GARCIA ABEL 748-0287
 342 HENSEN L 747-8148
 343 XXXX 00
 344 XXXX 00
 345 WICKS ROBT 748-1416
 346 XXXX 00
 347 RUSK MICHAEL 747-1312
 348 HEISTERMAN GEO A 481-8820
 349 FORBES EUGENE B 747-8484
 350 VINCI GEO L 747-8484
 351 XXXX 00
 352 MCALLISTER GURMUD 747-2886
 353 MCCOY BURJ J 747-2886
 354 XXXX 00
 355 ALLISON KENNETH 748-6097
 356 GREEN JAS G 748-6143
 357 XXXX 00
 358 CURRY DANIEL D 748-7462
 359 EISENBART WM B 748-7462
 360 SNOW THOS E 748-7462
 361 XXXX 00
 362 TUCKER F 748-8184
 363 KRAY EDW A 747-3830
 405 COLDRON G TRACY 748-8478
 * 3 BUS 130 RES 17 NEW

MESA 80407 BRACEVILLE

23 JONES C 465-8290
 24 THAL DEANIS 465-0620
 NO # HEVINS HAROLD E 465-8289
 * 0 BUS 3 RES 0 NEW

MEYERS 80436

SHOREWOOD
 104 ANDERSON GILBERT A 725-8853
 100 JOHNSON A M 725-8671
 1122 GRABBE CARL JR 725-8111
 * 0 BUS 3 RES 0 NEW

MIAMI 80432 JOLIET

401 XXXX 00
 402 PARTILLA GUS B 729-0165
 405 MURPHY PAUL D 729-1897
 408 XXXX 00
 410 HILL CHARLES D 729-8197
 416 MAYBURY MICHAEL H 729-0982
 418 XXXX 00
 419 BUCK ROBT L 729-8236
 421 XXXX 00
 511 YAGER BILLY L 729-2616
 514 RADONICH JAS L 727-8729
 518 DAVIS JAS R 727-4119
 519 XXXX 00
 620 BRADY L M 727-7169
 621 COUCH THOS REV 727-2880
 622 XXXX 00
 623 OWEN JOHN W 722-8118
 626 XXXX 00
 628 SELF TOMMY R 729-7280
 631 PERCE CARROL F 729-0098
 634 SLICK VIRGIL A 729-0484
 635 BROWN LENA REV 729-8128
 634 ETHERIDGE RAYMOND C 729-1987
 636 RAUMAN CAPMEN M 727-3899
 638 RAUMAN ROY 729-8288
 637 STEVENS RONALD 729-8784
 604 XXXX 00
 604 ETHERIDGE CHAS 729-8572
 608 PARTILLA STEPHEN L 729-8578
 607 LUCIBART LEOARD 729-8572
 610 ALTYRE LEONARD 722-5882
 611 MEYERS LEONARD E 729-7877
 618 CHALOKA G 727-8185
 618 CHALOKA J 727-8718
 619 LAUREN L 729-8728
 620 WADSWORTH SAM L W 729-8078
 704 XXXX 00
 704 BONNETTE R JR 729-1541
 707 XXXX 00
 710 ZIEGLER RAYMOND O 729-2703
 711 NEEDAM SAM J 729-0274
 * 0 BUS 43 RES 4 NEW

MIAMI 80468

PARK FOREST

177 RITZLAFF HENRY 749-5047
 178 LEVINE FRED 749-3114
 180 GREYER BRUCE 747-1488
 181 JARVACH MAURICE 747-0028
 184 VALDEY DONALD 747-0242
 184 POKTO ORVILLE L 481-8827
 186 POSTER JOHN E 481-8354
 186 ROYER JAS E 481-7274
 187 SMITH GERALD F 748-8895
 188 KROGER WALTER A 748-8428
 189 BAMPLE JAS E 747-1849
 191 MEYER HENRY F REV 748-4420
 192 FRANKLIN E 747-1768
 193 XXXX 00
 194 FOSTER I G 748-1107
 195 GROSS LAWRENCE A 748-1899
 196 EGORFF BRUCE A 748-2844
 200 XXXX 00
 201 MILLER JEAN O 481-1771
 202 ENOEL RICHARD 481-7274
 204 ALGREN JOHN F 748-8224
 204 LOOK JOHN P 748-2475
 207 KARSTEN ROBT C 481-8955
 208 TALBERT M 748-2328
 207 PEACOCK M B 748-2007
 209 ROBEY HAROLD E 748-5141
 209 SEAMAN DAVID 747-8587
 211 COOK PAUL D 747-3787
 212 XXXX 00
 213 HENRY JAS F 748-8193
 214 STERN ROBT E 747-7084
 215 MACMURTRY SCOTT R 747-3618
 216 XXXX 00
 217 WITKOWSKY MAURICE 748-3611
 218 RUBY RICHARD W 747-8804
 220 HESPER WM F 747-0004
 221 GOMB RICHARD J 748-1402
 221 BLAIR MI 748-2084
 222 TATEO ANDREW J 748-8313
 223 MATHAY PAUL E 748-8313
 228 WILCOX ROBT M 747-8158
 230 BLACK JACK 481-1824
 231 FOUR SEASON LAWN CR 481-2034
 232 XXXX 00
 232 MITCHELL H M 481-8790
 234 GUCHE HAROLD W 748-8888
 234 WARD JOHN JR 748-4294
 237 SKAK EDW 748-4294

MICHAEL DR 80485

PALOS HILLS
 10300 MARTELL THOS 489-1928
 10301 XXXX 00
 10302 SINMERMAN BOYD E 489-2182
 10303 SABS HILDEBRAND 489-2022
 10304 SINMERMAN BOYD E 489-2182
 10305 MCKINLEY ELDON L 489-1514
 10306 MENS LEO 489-1074
 10307 SMITH GENE R 489-1168
 10308 KATZOWSKY JOSE 489-2680
 10309 COZZI ANTHONY J 489-1541
 10310 XXXX 00
 10311 XXXX 00
 10312 XXXX 00
 10313 XXXX 00
 10314 XXXX 00
 10315 XXXX 00
 10316 XXXX 00
 10317 XXXX 00
 10318 XXXX 00
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 10630 XXXX 00
 10631 XXXX 00
 10632 XXXX 00
 10633 XXXX 00
 10634 XXXX 00
 10635 XXXX 00
 10636 XXXX 00
 10637 XXXX

..MERRIMAC AV 60459 CONT..
 7703 BLACK JAY C 499-1165 3
 7705 HYNES ROBT W 636-5945
 7707 SHEHANE RONALD C 425-3718
 7709 GAZDA WALTER J 636-3509
 7710 KWIIT EUGENE J 636-2890
 7716 GACH ANDREW 424-8355+4
 7717 GIARRAPUTO ANTHONY 425-1170
 7718 CUTRARA RICHARD 425-3211 1
 7719 LOPRESTI BERNARD D 422-2401
 7720 HUNT PHYLLIS C 636-4096+4
 7723 SHARP JAS E 423-8474+4
 7743 HYNES DONALD J 636-6837
 7744 YORKMAN JOHN M 424-4020
 7745 SMALL ROBT M 425-3129
 7746 STUONIAZ KENNETH 423-5536
 7749 CALLAHAN CLARENCE 424-4755
 7751 INVERGO BEN J 423-7558
 7752 CARRIER RUSSELL R 425-1532
 7753 VONDRASEK THEO 499-1538 1
 7755 ORRICO EUGENE 423-7875
 7756 VANWALKENBURG ROBT 499-1842 3
 7757 WICKOM CHAS W 423-0692
 7758 RIVET ROBT F 422-5044
 7805 HOLLEMAN JAS C 423-8564 3
 7809 KNAPP HERMAN H 423-4397
 7813 SNYDER WM E 425-8296+4
 7817 DEACON JAS JR 422-7553 9
 7819 BOCCONCELLI HENRY 636-7534
 7847 PAVLIK HELEN 424-7596
 7849 KAWONSKI H 423-5226+4
 7851 PARISH DEMEY E 636-2562
 7912 TUTLEDGE WM C 424-2418
 7916 BATES FLORAN F 425-6029
 7919 MUNGWAN VINCENT J 423-862 0
 7924 SCHULTZ ARNOLD L 424-5529
 7925 REINDOL CARL K 423-0176
 7933 THORN CLARA W 424-7835
 7940 PAAREN HERBERT 425-9497
 7941 WOLFF CHESTER A 424-7446
 7948 SHINKOW ANTHONY 423-3129
 7949 THOMPSON EARL G 424-8858
 7954 BARRO WM V 422-4781
 7967 WAPONELLI MARTIN 424-4564
 8012 PERLONGO SAM J 422-1525
 8013 WRONSKI GEO A 424-7037
 8016 SCHULZ HERBERT C 422-7102
 8017 WHITE MATTHEW 424-5829
 8022 MAURER JOHN P 425-3340 0
 8023 KAROWSKI ARTHUR 424-8125
 8028 PEARSON KENNETH P 423-3819
 8034 LABUDA RAYMOND 424-7055
 8035 MURPHY MICHAEL J 425-3697
 8040 XXXX 00
 8041 LUNDQUIST CARL 424-7072
 8048 MCCORRY ROBT C 425-1367
 8054 RYAN CHAS H 425-1185
 8055 FETZER H PAUL 424-7475 3
 8100 DAUGERDAS WALTER F 424-7044
 8101 YAGER ANTOINE J 424-7027
 8107 ROMA LAWRENCE S 423-6155 3
 8112 HEALY JOHN J 636-4755 1
 8113 HREBIC RICHARD J 424-8215
 8117 HOLBROOK JAS D 422-2394+4
 8118 LOCOSOLE FRANKLIN 424-0282
 8124 MALONE EDW J 636-1223
 8130 MAJEWSKI ALPHONSO 425-6347
 8131 XXXX 00
 8135 MADUZIA WALTER J 499-3325 3
 8136 SHANNON J A 422-9243 0
 8139 KROLL ALLAN L 425-6942
 8142 FINNAN DONALD J 425-1638
 8147 CZERWINSKI K J 423-8954 0
 8149 CLARK NORMAN R 425-5774
 8155 VANBYSSUM ROBT G 423-3437 1
 8200 DOLAN ROBT E 423-0661+4
 8201 STISLOW EDW J 422-5905
 8208 MANNINO CARMIE 424-7823+4
 8209 AUGUST HARRY J 424-8132
 8214 KING JAS T 423-9697
 8215 XXXX 00
 8221 GUSTAFSON B A 424-7193+4
 8229 KLASS FRANCES 425-3898
 8234 ZIELINSKI MICHAEL 636-6566 3
 8235 HEDGREN HAROLD N 636-2876
 8240 ARVIN TURNER JR 425-1889
 8241 STEFANSKY WALTER 424-7813
 8248 JASIEO LEO P 424-7825
 8254 DINWIDDIE HENRY 747-9101+4
 8255 KOZELW GERALDINE 636-9110 0
 8334 HANNAN EDW J 636-3315 0
 8335 JOYCE EARL J 425-1841
 8340 SHANNON W H 425-0417
 8341 SAINDON HAROLD S 425-0585
 8346 PILIP JEROME T 499-1446 1
 8347 KATICH GARY F 425-7098+4
 8354 YELLAND FRANK R 499-1923
 8360 CICCONE ERNEST F 424-0452
 8361 STROZIO JOHN C 425-0090
 8409 ROKATTIS JAS V 636-3744
 8414 WEST WALTER A 425-0174
 8420 XXXX 00
 8421 DUMBROWSKI NORBERT 425-0852
 8428 MURPHY RALPH A 425-1826
 8435 XXXX 00

ZIP CODE 60453 OAK LAWN

8714 MASTELA JOHN M 636-2142 3
 8722 WITEK ADAM 424-7650
 8730 FLETCHER ARTHUR A 423-4940 3
 8731 GOULD DOUGLAS W 425-0107+4
 8738 STROCK RICHARD E 423-2270+4
 8739 FLOENER AL 424-3788
 8742 HAUCKE RICHARD W 423-0010 1
 8746 JENNINGS EDW J 422-0962
 8750 REINHUTH FRED W 425-5251
 8755 LIZAK MICHAEL R 422-1335
 8800 KROON ARNOLD 425-0265
 8801 URICH ROBT 425-6698 1
 8808 JASINSKI ANTHONY JR 636-4945
 8816 PAREJKO EUGENE 424-8248
 8817 CLEMANS BRUCE W 499-0408 1

..MERRIMAC AV 60459 CONT..
 8824 LINDGREN HARRY O 422-6073
 8832 MILLER JOS 422-5780 1
 8833 SAWKOWSKI LOUIS J 422-0380
 8841 JOHNSON ERIC H 424-1444
 8848 ZICK ROBT 424-5992
 8849 XXXX 00
 9511 GATTI KATHERINE 424-3890
 9512 MACEVICIUS ANTHONY 425-3063
 9517 BLUMHARDT ROBT 422-0767
 9525 WORTEL BRIAN 424-1326
 9530 MCCANN ZOLA A 423-1305
 9534 SWANBERG ROBT H 424-9421
 9538 KEY EARL E 499-3427+4
 9548 WILLIAMS GEO C 424-4139
 9555 DAILY FRED 636-0075
 9602 XXXX 00
 9606 RADZIENDA FRANK L 636-8293
 9607 PACDUREK THOS K 425-7746+4
 9619 MICETIC RONALD 422-2987+4
 9621 MAULUS SOPHIE MRS 424-6362
 9627 REYNOLDS ROBT 422-0281
 9633 FRANKLIN WARREN D 425-8567
 9635 BALE ROBT W 422-1773
 9636 MAGUIRE RICHARD G 499-0321 0
 9642 NELSON GEO 424-0966
 9645 OMALLEY M A 424-4670+4
 VENTURELLA GEO E 636-8063 4
 WINTER BARBARA J 425-8564+4
 9650 MACKAY JAS J 422-6815
 9659 XXXX 00
 9700 NORMS REMODELING 423-4492+4
 9703 NICK ARTHUR F 636-9423
 9711 LABROSCIAN FRANK S 424-2128
 9712 DEYOUNG ALBERT 423-3409
 9715 HAGGAN SALLY 424-9999
 9717 SCHMUDE WILBURT E 425-4242
 SCHWARTZ CHERYL 425-7852 0
 9718 XXXX 00
 9723 BRAASCH VERNON H 422-4064
 9724 HENNIGES ARTHUR 422-5117+4
 9731 HAZUR JOS F 422-2990
 9736 DIVIS JAS 423-4433 1
 9737 HAIBERGER JOS JR 425-0345
 9741 LITTLE TERRENCE H 423-1661 1
 9747 WUETHRICH REX E 422-0504
 9749 UCHMAN RONALD F 425-2409 1
 9810 BEHLING WANDA 636-0489+4
 9944 XXXX 00
 9948 LEWIS VIOLETTA 422-8899 3
 9949 XXXX 00
 9954 BRAY IRA J 424-2837
 9957 WALKER JOHN 422-4216
 10002 HIRONO JOHN 423-6804 9
 10004 XXXX 00
 10005 HENNINGER EVELYN 422-2093
 10007 PAWELCZAK BRUNO 424-0403
 10008 VERRER FRANK C 422-3811
 10013 WALCZAK STEVE 424-1153
 10014 XXXX 00
 10024 HATSON JAS I 499-3067 3
 10040 STRACHE EDMUND F 422-8707 1
 10053 PROBST GEO J 636-5873
 10055 EHNIK J 422-5404 3
 10059 WILLIFORD JOHN 636-4291
 WILLIFORD RICHARD 425-3077+4
 * 1 BUS 185 RES 23 NEW

MERRIMAC AV 60638 CHICAGO

FOREST VIEW AREA

ALSO SEE CHICAGO CITY DIRECTORY

4900*MCILLWEE J J CO 594-7100+4
 5001 XXXX 00
 5063*CLOROX CO 458-0660
 WD *ILL CNTRL GULF RR 458-0666+4
 * 3 BUS 1 RES 2 NEW

MERTENS 60901 KANKAKEE

140*HOMESTEAD LDBREPLY 932-7464
 164*NESSBITT J D CO 932-7322
 502 BENBIT A J JR 932-3340
 502 STONE MARSHA 933-3526
 507 FOSTER JOHN A 939-0724+4
 5078 WIDICK LOIS J 937-9077
 512 FITCH MICHAEL C 939-7576
 517 PETERSEN ROY 932-4745
 WILKERSON MARY 933-4015
 5178 HILL CHRIS 937-1499
 518 DEMO LEONELL 933-8890
 531 PIERCE TERRY M 933-7322+4
 533 DAVIDSON NAOMI E 932-0670
 5333 CAUSER MIKE 933-5181
 541 RIORDAN N R 932-8747+4
 542 KOUBETIS PETE 932-1273
 551 DERKUS MACK 932-9675+4
 556 RAVENS GEO 932-5026
 561 PALINSKY ANNE MRS 932-2375+4
 595 ENDRES HOWARD 932-5417
 653 YEADICKE AMELIA M 933-3284
 659 GLAZE I E JR 933-5013
 660 LAUFER FRED B 933-1726+4
 664 SCHEPPLER J D 939-3006+4
 668 JOHNSON S L 932-6567
 672 MEYERS WM 939-3916
 676 SAATHOFF DALE A 939-4350
 679 BECHTEL ORIE J 932-2666
 * 2 BUS 26 RES 7 NEW

MERTON AV 60453 OAK LAWN

9514 DALRYMPLE J REV 424-0482+4

..MERTON AV 60453 CONT..
 9517 CLUTH DENNIS R 422-2539+4
 9520 DALRYMPLE J REV 424-0482+4
 *FOUR SQUARE GOSPEL CH 499-1067 3
 GRIFFIS PAUL D REV 499-1067 3
 9525 WEINER HAROLD R 424-0799
 9527 MORRIS JOHN R 425-2976
 9531 NIETZ M L 422-3720
 9532 XXXX 00
 9539 SULLIVAN JERRY P 424-1054 1
 9554 NAMROT WM H 425-7784 1
 9555 XXXX 00
 9556 OBSZARSKI EDMUND L 422-2035
 9600 CONWAY ROBT E 424-9693
 9601 FULAYTER MICHAEL J 423-0042+4
 9604 MARTIN FLORENCE V 424-4217 1
 9607 FUESSEL EDW 422-4351
 9610 GRINER R J 423-0728+4
 9611 SULLIVAN EUGENE E 424-2209
 SULLIVAN J 499-1660 9
 9612 PALMER GEO 424-0499
 9615 XXXX 00
 9620 MAYER JOS 422-2692
 9622 BRASSINE FRANK L 424-3107
 9624 ISENBERG WILLARD 422-2031
 9625 XXXX 00
 9627 HARTIG ARTHUR 424-0968
 9645 BEGY G M 423-8724 1
 9654 NEAVES ROBT A JR 423-1879
 9700 XXXX 00
 9701 ROSENBRICK RALPH 424-5981 3
 9704 BOE MARGARET 424-3410
 9715 SHELHENY EUGENE 424-8259 3
 9729 SMITH GERTRUDE 422-0337
 9732 PARKS ORVAL N 424-2147
 WALLS WARREN W 424-6729+4
 9737 BIHLMEYER WM E SR 499-0335
 9741 HAYES ROBT 424-2068
 9745 SPIZZIRRI JAS 425-4279+4
 9750 XXXX 00
 9753 REEDY DENNIS M 422-7581+4
 WHITE CATHERINE M 425-1542+4
 9802 PERKINS CHAS W 424-9704
 9805 WILMOND WILBERT 423-6302
 9810 MCCLAIN H J 423-4938 3
 9814 NEAVS ROSS 424-3522 3
 9828 XXXX 00
 9840 CADMAN ANNE T 424-3899
 9933 SHOEPAKER LEONARD 422-0251
 9935 SCHMITT RUBY 423-6872+4
 9937 MCLEAN JOHN 422-8379 9
 10000 BOMHART WALTER C 424-3470 3
 10001 BAUMERS RONALD G SR 424-3513 3
 10006 GIORNANO ANTHONY 424-2588
 10007 CRASE WM H 422-5489
 10008 SCALZO C 422-7165+4
 10011 RAFFERTY DANL J 636-5666
 10014 XXXX 00
 10016 LOGUE J R 424-3617
 10025 BALLING JOS A SR 422-0770 9
 10034 FREUDT DONALD R 636-2968
 10037 SCHAEFER CONRAD L 422-1194+4
 10038 INGLE HENRY 424-2308
 10040 GALLINA FRANK J 423-1466 3
 10048 KAZAK CHAS R 422-8154+4
 10051 GALLIGANI STEVEN J 422-0765+4
 11037 XXXX 00
 * 1 BUS 67 RES 14 NEW

MEYERS RD 60436 SHOREWOOD

104 ANDERSON GILBERT 725-2853 1
 106 JOHNSON A M 725-2871 3
 112 CRABBE EARL E JR 729-9571 3
 * 0 BUS 3 RES 0 NEW

MIAMI 60432 JOLIET

401 WITT EUGENE B 723-0096
 402 PARTILLA GUS B 723-0155
 403 WHITE ROY L 723-8332
 404 WALLACE N E 726-8241+4
 409 CAX WAYNE L 723-2188 9
 410 FILER KEITH REV 727-7264 3
 415 XXXX 00
 416 LAPASO KENNETH 722-3363
 507 MCPARTLIN ARTHUR L 722-2910+4
 511 YAGER BILLY L 726-3898 3
 513 TUTTLE CHAS G 722-4167 3
 514 BOYSTER SAHL F 726-8840
 517 ROBERTSON JOHN 727-1062 9
 520 KIKALO CHAS 727-7773+4
 521 EASTER WAYNE W REV 723-0856 9
 525 KUBAN JOS 722-6826 1
 KUBAN R A 726-9151+4
 526 XXXX 00
 531 PIERCE CARROL F 722-0098
 532 SLICK VIRGIL A 723-0494
 533 BIGGROVE LESLIE R 727-9475+4
 534 ETHERIDGE RAYMOND C 726-1867
 535 OLVERA JESSE 723-8356
 OLVERA LORETTA 723-8356+4
 537 STEVENS RONALD 726-5754 9
 603 GUIDETTI FERNANDO 722-2577
 604 ETHERIDGE CHAS 723-8672
 606 PARTILLA STEPHEN L 723-9578
 607 ACKERMAN JESSE 723-8809
 610 ALTIERY LEONARD 722-2682 9
 611 MEYERS LEONARD E 722-7677
 615 CHALOKA ANDREW 726-3616
 617 SEMAFER ALBERT E 723-2839
 700 WADSWORTH SHERMAN 727-9810
 704 XXXX 00
 707 ASHTON ALLIE 723-9725
 709 XXXX 00
 710 ZIEGLER RAYMOND O 722-2703 3
 711 MEDINA SAM J 722-0274+4
 713 AGUILAR JOSE A 726-3670+4
 715 WEIS SHIRLEY MRS 722-3944 1

..MIAMI 60432 CONT..
 719 XXXX 00
 720 MORGAN FAY 723-0062+4
 * 0 BUS 43 RES 9 NEW

MIAMI 60466 PARK FOREST

177 RETZLAFF HENRY 748-5847 0
 178 MCKNIGHT ROBT W 747-9035+4
 179 LARMTON L E 748-1469
 180 ATKINS JOHN B 748-7410 9
 181 BROWN STEVEN K 748-3796 3
 183 XXXX 00
 184 RAUCH RAY L 747-1321
 185 FOSTER JOHN F 748-3638
 186 STANDARD LAWRENCE 748-8338+4
 187 OLIVER R L 748-1979
 188 KRUEGER WALTER A 748-5895
 189 SAMPLE JAS E 748-6526
 190 MEYER HENRY F REV 747-1249 3
 191 EVERLY WALTER R 748-4420
 192 XXXX 00
 193 XXXX 00
 194 FOSTER I O 748-1767
 195 CROSS LAWRENCE A 748-1699
 196 HARTMAN HERBERT 748-6928 0
 197 PICONE VINCENT E 747-1290 3
 200 ADEE RICHARD L 748-6983 3
 201 XXXX 00
 203 STANTON GEO 748-1529
 204 LOOK JOHN F 748-2475
 205 XXXX 00
 207 PEACOCK M G 748-2007
 208 ROBEY HAROLD E 748-3141
 209 SCHULTZ RICHARD R 747-1290 3
 210 BROWN SAM 747-0831 0
 211 METTIE KENNETH G 481-1503+4
 212 XXXX 00
 213 HYNES JAS F 748-6193
 214 STERN ROBT E 747-4438 0
 215 XXXX 00
 216 XXXX 00
 217 WITKOWSKY MAURICE 748-3511
 218 WILSON QUENTIN P 747-5124+4
 219 RAIMAN CLARENCE 748-2468
 220 EHRLARD DAVID M 747-9343 9
 221 GROSSI LORRAINE 748-3239
 222 XXXX 00
 223 LARSON ERNEST M 748-7501
 228 SMITH GEO F 748-3726
 229 CAPPLE M DEAN 481-5643+4
 230 DUFFY WM F 748-6546 0
 231 SWEENEY DONALD 747-0181 9
 232 MITCHELL M H 748-5609 9
 233 WOOD D 748-4293 0
 WOOD ROBT E JR 748-3616
 234 KONRATH RICHARD P 747-1890 3
 235 MARGESON DALE H 748-3746 9
 237 SAAK EDW 748-4284
 238 BABBITT HARRY E 748-1106
 239 SONNEBOEN F L 748-6304 3
 240 TREICHEL M 747-8385 3
 241 PETER ROBT F 747-1057 3
 242 MONTEMAYOR ARTHUR 748-8161 0
 243 DANIELS CHERYL 748-4818 0
 245 DANIELS REX 748-4817
 245 PHOM DAN SERVICE CO 748-0164+4
 246 MCKONLY HARVEY C 748-9137
 247 XXXX 00
 248 HALTER JOHN C 481-3460 3
 249 FENSCH FRED 748-0592
 250 MADOW ROBT 748-3467 9
 251 BETH G 748-2813
 252 HEBERT ROBT P 748-6629
 253 ZIMMERMAN DONALD R 748-7421 9
 254 WILLIAMSEN NANCY J 748-8149 3
 255 XXXX 00
 257 XXXX 00
 259 WIEG KENNETH F 481-3721+4
 261 LAMB PAUL A 748-7150
 262 SCHIESS GEO A 748-4569
 263 SMITH WM J 748-3978
 264 MCBRIDE RONALD L 748-3056 1
 300*MONROE GRNN CRUISES 481-3969+4
 THRONTVEIT THELFORD 748-2378
 301 KAY STANLEY 748-2105
 302 DUNBEY RONALD L 748-8374
 303*CUSTOM PNTNGEDCRNG 748-5520
 *PETERIK RAYMOND J 748-5520
 PETERIK RAYMOND J 748-1606
 304 XXXX 00
 305 BUEHLER ORLA E 748-2622+4
 306 RONNAU MAY 748-3906
 STRANDBERG DONALD 748-5035
 307 PAGORIA MARY ANN 747-9372 1
 308 STUEDEMANN RANDY 747-8234+4
 309 MCKINNEY RALPH E 748-1154+4
 310 CHERASARO N J JR 748-5264 0
 311 KUBACKI KENNETH J 747-1220 9
 312 XXXX 00
 313 BRASSEUR FRANCES 748-3183
 315 OSBORN ROBT J 747-9259 1
 319 PALM JERRY L 748-3295 0
 320 LAREAU RONALD W 747-4283+4
 321 MCLEAN JACK E 748-6067
 MCLEAN ROBERTA B CS 748-6067 3
 322 SCHULTZ GERALD T 481-1827+4
 324 HULL FRED J 748-6396
 326 BEGGS EDW L 748-3284
 327 CURRY JOHN A 748-4789
 329 EBSEN ROBT E 748-2607
 WENDELL DAN 748-2607+4
 330 HEALE THOS C 748-6100
 331 XXXX 00
 332 NOBLE MALCOLM H 748-2632
 333 XXXX 00
 335 TURNER JAS R 748-8738 1
 337 SLOAN DONALD C 747-4754
 339 FLETCHER CHAS J 748-1962 3
 340 LEDY ROBT B 748-3985
 341 ASHBAUGH JERRY R 747-4185 3
 342 MUSSEN L 747-8146 3

..MIAMI 343 XXXX 345 WATKINS MARVIN S 390 XXXX 392 XXXX 394 WICKS RORY 398 LAMP RICHARD J 357 XXXX 360 LINDOW DAVID L 362 FELDMAN SAM 363 RAMSEY ROBT 364 XXXX 365 MCALLISTER GUNHIL 366 CROSBY BURT J 367 NOVAK JAS R 369 ALLISON KENNETH 370 WILLIAMS HERRERT P 371 MASSEY BERTRAM 372 WHITE ELIZ F 374 SNOW THOS E 376 KAUPAS FRED S 378 TUCKER F 380 KRAY EDW A 382 POSTENA WM D 405 COLDRON G TRACY * 4 BUS 135 RES 16 NEW MIAMI GARDENS RD 60468 PEOTONE NO LISTINGS MICHAEL AV -60477 CNTRY CLB HLS 17710 HUBERTY T L REV 17711 MITCHUSSON HAYWOOD 17721 GOHL E 17800 MASON WAYNE 17801 MATULIS WAYNE S 17811 QUALLS G J 17821 POWELL ERWIN G 17840 REEVAS ALBERT B 17940 WITTOPP HAROLD E 17945 COLEY WM P 17955 HUENNER GEO T 18005 HELIVAR CHAS W 18010 XXXX 18020 BARRY GEO J 18030 FITZGERALD JAS A 18035 BOVLAN GEO J 18040 BAKON FRANK J 18050 KASPER RICHARD J * 0 BUS 18 RES 3 NEW MICHAEL AV 60417 CRETE 520 KRAEMER ROBT F 521 GUT KARL H 525 COWGER C M JR 529 PIEPENBRINK HENRY 532 KUERSTEN ERVIN JR 533 PAUL JOHN 537 DERICKSON RALPH 538 KLEMP ARTHUR 541 CLARK WESLEY 544 XXXX 545 NOEL CLARENCE 552 BARANSKI JAS J * 0 BUS 12 RES 2 NEW +MICHAEL DR 60462 ORLAND PARK 14129 SLUSARSKI DANL Z 14136 HOMA RONALD J 14209 IPOLLITO JOS R 14221 STRASSER WM E * 0 BUS 4 RES 4 NEW MICHAEL DR 60465 PALOS HLS 10300 MARTELLI THOS 10301 SZYPULSKI JOS 10306 SIMMERMAN BOYD E 10307 BAIDS WILDEGARD 10319 SMITH THOS J 10324 HENS LEO 10325 SHITTY GENE R 10336 NIEHOFF RONALD 10337 ICKZOWSKI EDW J 10342 COZZI ANTHONY J 10343 TIERNEY MARY 10400 WIENER ROBT M 10401 PIOTROWSKI KENNETH 10406 COLLOPY ROBT E 10407 WILLIAMS JUEL G 10412 JOHNS BRUCE 10424 BELLO JOS A 10430 BOTTOLETO JOS 10431 PETERS TONY J 10436 DONOHUE THOS J 10500 NELSON KENNETH B 10512 COSTELLO DANL D 10524 KLEEFISCH MARTIN A 10530 HAMMERSTEIN JOHN 10542 BRASCH ARNOLD J 10543 XXXX 10548 PEARSON D A 10549 BAGKA WM D 10554 CHANG JOHN C 10555 FOX PATK J 10606 TOMCZUK ZYGMUNT 10612 DUONES ALBERT 10613 KOUSNETZ GARY A 10618 XXXX 10619 FRITZ FREDK 10624 CAMPBELL WALTER T 598-1928 1 599-1613 3 599-2182 3 599-2022 3 598-0972 1 598-1074 0 598-1168 4 598-1554 1 598-2568 0 598-7181 1 598-7030 4 598-3511 1 598-0741 0 599-1398 3 598-0624 0 598-2778 3 598-6647 0 598-3260 0 598-3723 4 598-6133 1 598-0525 0 598-0241 0 598-3055 0 599-0963 4 598-6298 0 598-3437 0 598-5139 0 598-7094 4 598-6497 0 598-4358 0 598-1015 0 598-5297 0 598-5498 1 598-5155 0 598-1928 1 599-1613 3 599-2182 3 599-2022 3 598-0972 1 598-1074 0 598-1168 4 598-1554 1 598-2568 0 598-7181 1 598-7030 4 598-3511 1 598-0741 0 599-1398 3 598-0624 0 598-2778 3 598-6647 0 598-3260 0 598-3723 4 598-6133 1 598-0525 0 598-0241 0 598-3055 0 599-0963 4 598-6298 0 598-3437 0 598-5139 0 598-7094 4 598-6497 0 598-4358 0 598-1015 0 598-5297 0 598-5498 1 598-5155 0	..MICHAEL DR 10625 KOMALCZYK JOS L 10630 LYMNER WM G 10631 GNASIAK ADAM 10637 RANGIZO JOS C 10642 EVANS CHAS E 10643 PETRAITIS GEO S 10646 RUIIS ROBT A 10649 XXXX 10655 WYTRWAL EDM F * 0 BUS 45 RES 6 NEW MICHAEL LN 60451 NEW LENOX RURAL ROUTE 1 101 COLLINS J P 102 STRADER NELLIE 103 WARNER CHET L 105 KOEHLER CARL W 106 HARMS D M 107 HARMS D M TEEN 109 TORKELSON BURTON 110 PUTTS HARRY C 113 TALMADGE GARY A 114 TALMADGE JOS 114 SELLMAN EUGENE C 117 DIMONTE JOS C 118 LEKTORICH JOHN 121 XXXX 122 BROCKMAN WM P 124 XXXX 125 CALVARY BAPT PRSNG 129 PALMER DAVID G 137 GOW HOWARD W 141 MCKEAND D R 145 WIECLAW FRED A 146 KILBRIDE KENNETH E 149 ROSS ROGER R 150 MUCHA RICHARD J 154 DIMONTE JOS J 157 EARTLY RAYMOND 158 BAKER CARL E 161 TOWNSEND THOS N * 0 BUS 29 RES 7 NEW MICHAEL RD 60466 PARK FOREST 1 GEIBEL R J 3 SCHMITT THOS J 5 WEEKS DANL E 7 LANG GENE R 8 XXXX 9 PIEKARCZYK DAVID 10 METZ THOS L 11 KNURED K 13 MCGUIRE JAS P 15 OCONNOR DANL L 16 XXXX 18 REEDY ROBT B 19 BLACKWOOD SCOTT 20 ROZENFELD MARTIN 21 HEISLER LESTER L 22 SMITH DAVID S 24 SCHOLL HENRY J 25 XXXX 26 SZELAG JAS B 27 WICKS ROBT T JR 28 LANGE D G LANGE EUGENE W LTC 29 XXXX 31 KRICHBAUM WM P 32 DIXON ORVILLE K 33 HARDY BENJ H * 0 BUS 26 RES 8 NEW MICHAEL DR 60452 OAK FOREST 15349 SKALNIK FRANK W 15350 SCHULTZ CHAS J 15355 GOOCH DONALD L 15361 SHERECK MARGARET 15362 NARKO MEDARD 15367 KUBISZYN JEROME 15368 FRYDRYCH GEO 15373 PECHOUS THOS E 15374 IVERS THOS H 15400 FELONER RONALD A 15401 SANDERS RICHARD JR 15406 MILLER RICHARD A 15407 SKILES MORGAN 15411 GERON DAN J 15412 EICHMORN ROBT L 15417 PUGLIESE THOS A 15418 KARRIGAN JAS L 15423 JACKSON WM L 15424 KOLANDA TERRY B 15429 PARKER DENNIS H 15430 HOFFNER RICHARD L 15435 SCOT DONALD L 15441 FELDMER MICHAEL 15442 DONDELINGER JACK H 15448 WILSON ROBT A 15459 WHITE JOHN M 15460 HEINZEL RICHARD E * 0 BUS 28 RES 2 NEW MICHAEL 60915 BRADLEY 147*BRADLEY VLG CLERK 933-8533 *BRADLEY VLG CVL DEF933-3231 *BRADLEY VLG PRES 932-2125 *BRADLEY VLG ST DEPT933-3715	..MICHIGAN 60915 CONT.. *BRADLEY VLG WTRSW933-7012 148 ANDERSON DALE L DAVIS BERNARD M 148* DAVIS GERALD 159 DAWLIN HARLEY 160 DAVIS H M DOMINICK GEO LEGIS M L 169 XXXX 170 LAGESSE HARVEY 170* WALTERS GOLDA 171 KAVANEY DANL L 178 MULKIN HARRY 183 CHANONON J D PRAIRIE DONALD M 195 XXXX 196 MCFARLAND ERNEST 211 HANMAN V L 212 LUSTIG STEPHEN F 214 STARASINICH JOS 212* LOCKWOOD GREGORY P 223 STRICKLAND WM 224 BURNETT KIRK D JR CASH THOS 235*BRADLEY CENTRAL ELEM *SCHOOOLS CENTRAL ELEM SCHULTZ PATK 236 MILLS BILLIE 248 MYERS MARY PEZDITZ FRANK R 248* OVERTON W M YOUNG NEAL 259 BELLUSCI A MRS 260 OCONNOR VERLE R WILLIAMS MARGARET 271 LEOPER JAS R 272 BUMPUS ROY E 283 SHREFFLER MYRTLE 295 WESTERHOFF ANDREW 296 LUSTIG LOUIS J 311 BRITT ELSIE DELOUIS A W *DELONG CONSTRUCTION 312 MCCLARY HAL 323 LEARNED LAVERNE 324 BAKER JOS M 335 FORRESTAL GRACE LAHNER THOS G MUELLER JAS C 336 KELLER RUSSELL 347 SOUCIE DAVID P TIMM ANNA 348 WRIGHT GORDON 359 XXXX 360 VICKERY BYRON E 363 CORLETT JOHN E 371 MITCHELL BILLY M WILDER EUGENE J JR 383 CORLETT JOHN A 384 HADDERS HARRY 395 DAVIS RICHARD LEE 395* TROUT PAUL 396 PRINCE ALBERT 411 OVERBEY CAROL PRESSLER IRVEN 412 XXXX 417 MCGINNIS GERALD 418 LUSTIG RALPH A 423 DIPIETRA JAS T LUSTFELD LEO 423* BEACH DORIS 424 SMALL JOHN R 424* SMALL JOHN R JR 429 HESSIER VINCENT 430 PANGLE CHAS E 435 NICHOLS ROBT M VALDES A J 436 KANSKI NORMAN 441 GRESERS ROBT W 442 SIMPSON ROBT 447 CLARK BERT C LEASURE THOS E NORTON ELLA MRS 448 BLANCHETTE L H 453 BOWEN DANL 454 XXXX 459 JETTY DUANE STARKE A 460 WAREY STANLEY 464 COCHRAN ANN 465 GLTOWELL JAS J GORBY A 471 SWINFORD A M 483 KIRK JACK 495 HEBERT LEOPOLD LANOUÉ DARLENE 496 WAREY VICTOR 501 BARON ORLAND 510 GRESS CHAS R 590 BARON BERNARD 595 WEBER LEWIS A 560 RASMUSSEN DORIS 590 WRIGHT EDWARD C 610 FLEISHER KATIE M 640 CARSTENSEN KAY A 643 ROTHE A HAROLD 670 JETTE WALTER J 675 CARPENTER ELBERN 690 REDMOND ROBT * 8 BUS 105 RES 22 NEW MICHIGAN 60408 BRAIDWOOD 666 KING JOHN R ND # TOUVELLE MARY * 0 BUS 2 RES 0 NEW MICHIGAN 60432 JOLIET 4*ZINSER BACKSTROM C0726-6271	..MICHIGAN 60432 CONT.. 106*WALSH PARKING LOT 260*HAYS A W CO ND #ROCK ISLAND LINES * 4 BUS 0 RES 0 NEW MICHIGAN AV 60419 DOLTON 14612 FREDERICK LEW R 14613 LOBUE RICHARD A 14616 XXXX 14617 JACOBITZ AUGUST L 14620 MIGAS JOHN J 14622 BRAGG RODGER H 14623 IDELL GEO H 14626 KIMBALL EUGENE M 14630 WILKEY NICHOLS L 14632 LINTHORST JOHN 14633 SOCHA JOHN H 14636*ALL FAST DELIVERY 14637 FRANGE ROBT JOE 14640 DAVIS HAROLD JR 14641 RODGERS MELVIN T 14645 BURNHAM EUGENE V 14700 MANESTAR JOS M 14701 CHICK KENNETH D 14704 BRIDGEMAN DONALD 14705 VAHEY C L 14708 RINGO D A 14709 MORGAN BUFORD L 14712 PRENDERGAST A M 14713 WALLIS JOHN F 14714 HICKEY THOS B 14715 ZEIMETZ L 14718 LEACH CLYDE J 14719 WARFIELD WM J JR 14723 XXXX 14724 SYGERTSON WALTER M 14725 ANDERSON WM A 14728 HOWARD CLAUDE 14732 DUNNORTH JERRYLL 14733 PASCARELLA ANN 14738 VANDERMEER JOHN 14743 SPIER WM A 14744 POUNDS ELLIS A 14745 CAMPAGNE CHAS 14800 LEWIS BERT 14801 BOCKELMAN WALTER F 14804 INGERSOLL BERNARD 14805 JOHNSON GEO G 14812 GEISELHOFFER FRANK 14813 GALL GEO 14814 GORTLAND RONALD O 14815 HARRIS MINERVA MRS 14818 XXXX 14819 CHAPMAN MAURICE 14822 ROGNESS ROBT S 14823 GORE GEO GLYNN 14824 JOHNSON WM C 14825 WHITE JAS E 14828 LOTZ EDW J 14830 DEROSA PATK R 14833 KRAJCI PETER 14834 TAMPA GENE E 14838 MORRIS NORMAN 14839 PAULAUSSKI MARGIE 14843 MARONTO DALE J 14844 DERGOY WM B 14900 BRAMER WM M 14901 EVANS ROBT C 14905 MARKEZ MICHAEL 14906 XXXX 14908 PETRARCA JOHN 14909 JACOBS RONALD C 14912 KOPESHKE ORVAL J 14913 ARENTZ JAS A 14915 SIMULICK WM J 14916 CLAYTON CECIL H 14920 SMIGLA EDW T 14923 AHRENS RUSSELL 14925 LOCKHART WILMOUTH 14926 XXXX 14929 HANSON HENRY B 14932 BRANDT ROBT J 14933 MEAD JOHN P * 1 BUS 76 RES 11 NEW MICHIGAN AV 60544 PLAINFIELD 904 CHELLINO A 908 ALLEN BLANCHE * 0 BUS 2 RES 0 NEW MICHIGAN AV 60627 RIVERDALE 13555 LENTZ KENNETH 13812 NELSON HOWARD T RUSSELL C E 13813 STEINHAUER ALEX 13816 MATTHEIENSEN JOHN J 13821 BARTOLOMEI ALFRED 13822 XXXX 13823 BLACK JOHN CORNELIUS ARNOLD L BREUNIG ERIC G BREUNIG LOUISE 13827 PICMAN CARL SR 13829 OUGHNEY JOS J 13830 WEDRYK ROBT E 13833 MILLER MILTON H 13834 APPOLONI FRANK F 13836 STICK G 13837 TRAPP M 13839 OCONNOR RICHARD T 13840 CURLEY VINCENT L FRANCZYK PAUL A 13842 XXXX 13843 LAFRENIERE JOHN A
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DeRaimo J A 748-3160
Erdmann K A 748-0793
Goodwin R C P18-3267
Hartman A A P18-2364
Herrick W H P18-6258
Sjo C P18-3791
Smith C E P18-1511
Smith R E P18-3339
VonBerge A 748-0311

MAPLE ST (MATTESON)

*Nat'l Cypsum Co P18-1400
21103 Gersch E P18-0791
21109 Drake R E Mrs P18-7473
21112 Blume H P18-0320
21116 Maderom H J P18-7471
21120 Voltolina L 748-0395
21126 Slick P P18-3030
21127 Kibort E J Jr P18-0628
21132 Hills R P18-2634
21133 Morris J E 747-0520
21136 Hoffman W T P18-3434
21137 Springer R P18-7773
21140 Kenney T W Jr P18-3096
21141 Sechusen W H P18-3263
21142 Stege A P18-9054
21143 Tateon L K P18-7558
21144 Howard W H P18-3018
21145 Seaver T M 747-5739
21147 Stripling J G P18-0749
21148 Chisholm R J P18-0467
21149 Brady B J P18-2390
21150 Lyne H E P18-5367
21151 Achord E C P18-0016
21153 Clerken A P18-8969
21155 Joswick A W P18-0273
21201 Kellogg J S P18-6276
21202 Brown J P18-6235
21207 Mayo J W P18-7056
21208 Voigt C A P18-0062
21212 Kramer D A P18-2416
21216 Strom A W P18-4625
21217 Cavaney F T P18-4336
21220 Kenney T W Sr P18-7795
21224 Heenan T J P18-3323
21228 Nixale J O P18-3918
21242 Jahn R P18-5631
21250 Lauer W J 748-2276
21254 Scharnhorst R P18-3350
21403 Hall P B 748-0323
21404 Metzger H P18-0403
21614 Sechenmann F P18-5578

MARQUETTE PL

1 Rasmussen W E P18-4951
3 Schlenker J P18-5564
4 Dineen R E P18-3759
6 Saltmarsh R H P18-5461
7 Wilcox M S P18-3797
8 Williams R L 748-7105
11 Seelhoff C R P18-8746
12 Bassett R W 747-3394
13 Barkhurst E P 747-0225
14 Smith H H P18-3348
15 Smith D R P18-5111
16 Young R E 748-3358
17 Carroll L P18-5632

MARQUETTE ST

52 Gray R L 748-4307
53 Keys H O 748-4754
54 Kelly E R P18-2417
56 Martin R H 747-1261
57 Austin R D 748-9185
58 Grimes E D 747-2710
60 Brandebury R C P18-5741
62 Toner D F 748-5956
63 Hekas L S P18-7240
64 Hernan J P P18-4006
66 Morrison J E 748-6393
67 Haggis L C 748-1054
68 Williams A C 747-1511
69 Luepke C J P18-6616
70 Sanooff L P18-2612
71 Flint J E Sr P18-4967
72 Jacobson J H P18-1517
73 Oliver W E P18-1369
74 Renneke B H P18-1311
76 Winters D K 748-2260
78 Cook W W 748-8924
80 Schiedler T R 747-2424
101 Rohde A J P18-1466
103 Wise E H P18-9308
105 Hefley R C Lt Col P18-7188
109 Armstrong R E P18-6971
110 Greene R P18-2232
111 Smith R M P18-7390
112 Lawhead H P18-5860
113 Kelly C D P18-7285
114 Pottli A P Jr Lt Col 747-3460

416 Szymanaki J R P18-3291
118 Utes W W P18-1857
132 Cowfer C D P18-7418
133 Look A M P18-4235
134 White W G 747-2337
135 Elberfeld L J P18-1690
136 Haskell R E 748-2049
138 Childs J H 747-4842
140 Wyland J W P18-6654
142 Cox J 747-3414
202 Samuels G J P18-6018
204 Maier T 747-1017
206 Zall Ganevieve P18-2172
208 Dickerson L R P18-1967
210 Coe J S P18-1432
212 Ellinwood D L 747-0939
213 Fisher R C P18-3407
214 Timbers L E P18-4216
215 Utes G B P18-7636
216 Berry S E 747-0946
218 Dionne B E P18-0596
220 Radkey R B P18-3426
221 Brown Z 747-2374
221 Brown R P18-7606
222 Hebert R E Jr 748-7388
223 Streeter R W P18-5602
224 Wiese W R 747-2353
226 Pickard S E 748-5586
232 Koffert W C P18-4495
233 Kysogland E N P18-7554
234 O'Mara R E 747-0699
235 Coppold A J P18-4739
236 McMurray E P P18-2927
237 Nelson D H P18-1772
238 Hodgkins E W Jr 747-8041
239 Kastny K M 748-2723
240 Stromberg C O P18-4356
241 Pfefferman R E P18-5430
243 Perry R L Jr P18-2174
244 King Jean A P18-2048
245 Kassel J P18-7327
246 Shillington D P18-1135
247 Kasek F J P18-6309
248 DeCarpentrie A 747-1090
249 Baliba T 747-1058
250 Blair E R P18-7037
251 Piesick K 748-1977
252 Baxter B Jr P18-1562
253 Fleck F H 747-1836
254 Leitch D A 747-8591
255 Kent W P P18-1798
256 Jensen W E P18-6404
257 Gussman J R P18-1975
258 MacAskill P 747-1382
259 Dees W J 747-0196
308 Henly D J P18-6765
310 Early J A P18-5757
312 Bolin H Jr P18-1793
314 Myrow G P18-1785
316 Leonhardt E E P18-6638
317 Cobb T W 748-6885
318 Pete N E 747-0392
319 Hansen F M P18-5826
320 Gottschalk A R P18-7152
321 Marinovic E J P18-3181
322 Bourque C E P18-5535
324 Doll W H P18-4224
325 Langer R P P18-4210
326 Webster R A P18-1705
327 Bumba L J P18-6034
328 Hulbert O 748-1943
329 Frye W L 747-2043
330 Kahen L 748-1525

330*Alcoholics Anonymous 748-8698
331 Bingham C L P18-4456
332 Blatchford L H 747-3375
333 Lardinois R L 747-0712
334 Avey I P18-1824
335 Wray W C P18-7098
336 Miller F 747-1324
337 Mitchell S R 748-6910
338 Postoff W P18-2695
339 Evans A O P18-3140
340 Lane M H P18-6220
341 Braun F E P18-8139
342 Laurent J E P18-7367
343 Thompson G T 748-1754
344 Carpenter J H P18-3210
345 Grove H A P18-6839
346 Sargent R P 747-8912
347 Willis B F P18-4359
348 Farmlly H F 748-0111
349 Olsen J C P18-1853
350 Lurie R D P18-9029
351 Sargent W W 747-1864
353 Metcalf H M P18-6905
354 Kellmar D R P18-1130
356 Stoughton O Mrs P18-1769

MC CARTHY RD

1 Hart R M 748-1757
2 Lefar F C 747-2310
2 Straavaldsen R 747-3419
3 Sato M 748-2662

4 Miller W A 748-7374
5 Weinberg P T 747-0276
6 Zegafuse D W 747-0177
7 Bell W R Capt 747-8525
8 King J J Jr 748-2203
9 Mack F K 747-0266
10 Pollock J C 748-0921
12 Jaskela Dallas Lt Col 747-2724
14 Schaefer R E 747-2246
16 Freidin M 747-3228
17 Jung C R 747-2201
21 Lausa J L 747-3076
23 Johnson R G 747-3859
24 Mansfield Eldon L Capt 748-1878
25 Karp B 748-1939
26 Mitchell A Mrs 747-8285
27 Koenig D O 747-1716
28 Porter J D 747-1286
29 Jeffrey R J 747-0274
30 McAlpin I 747-0360
31 Jackson R T 747-1440
32 Nixon H W P18-3938
33 Churidia R P 748-1914
34 Myers D R 747-2578
35 Bernstein E 747-8278
36 Barnes R A 747-0320
37 Perretts R L 747-8652
38 Snyder W A 747-1669
39 McInley A D 748-5299
40 Evans D E 748-4349
41 Sake J 747-8855
42 O'Conera R C 748-7922
43 Laborde P C 747-2433
44 Russell R J 747-0630
45 Kayhan A O 747-1823
47 Bolstein J P18-2392
49 Hunter R A 748-0711
51 Zeigler K L 748-4731

MC GARITY RD

2 Stauffer D L 748-2745
4 Heinekamp T A 748-3088
6 Watts D E 747-0544
10 Laite G R 748-7634
12 Larkin R A 747-3266
14 Marti J R 747-3527
18 Bauernfeind R C 748-6549
20 Grant N A 747-8054
21 Ader M 747-1759
22 Jones T R 748-9094
23 Russell O R Lt Col 748-6762
24 Ginsberg S D 748-2404
25 Daly M J 747-1911
26 Lazar T A 748-1571
27 Fees R M 747-1747
28 Potts A J 747-3241
31 Cole R M 748-6395
33 Kruse R F 748-6556
37 Ziegler J A 747-8013
39 Repass J H 747-0477

MEOTA ST

300 Kray E A 747-3838
301 Gilmore L Q P18-3745
302 Mekuly S L P18-4563
303 Davis S D P18-6994
305 Reyher Dorothy P18-4574
307 Kaatz E M P18-6504
308 Alsbrook R L P18-6612
309 McDonnell T P 747-8753
310 Anthony E P18-3269
311 Gansel E P P18-4094
312 King G H 747-8337
313 Krause P E 747-0986
314 Skibbe G A P18-2657
316 Gwoods M T 748-5599
317 Bergin J F 747-1919
318 Nicholson H F P18-1828
319 Ebbesen J A 747-2908
320 Williams L A 747-1795
321 Storm P F 748-0120
322 Jones G H P18-1817
323 Cherry A C P18-1260
325 Ligon C Q 747-1124

MERRIMAC ST

310 Tascher D E 748-5695
311 Grant M H P18-7644
312 Miller A N P18-3573
313 Clegg P Jr 748-3567
314 Fernandes E P18-2697
315 Lehman D L 747-2408
317 Estaban L P18-6622
318 Paul G E P18-6589
319 Michalak P T P18-3634
320 Otto P J P18-6408
321 Anderson H A 747-2904
322 Clark E E P18-2782
323 Pigott R M 748-2205
324 Kuhlmann Hilda 747-8748

325 Eade J C P18-1776
326 Burleson B P18-6035
327 Spilling A M 748-9197
329 Corradi E P18-3094
330 Crouse D J 747-0551
331 Crouse Dawn P18-1631
331 Bauer F J P18-4860
332 Brodnar C R P18-5898
333 Gordon Donal 747-8550
335 McColpin D V 748-3090
336 Newstat R A P18-1403
338 Eylanier R A Jr P18-9505
339 Kapost J A Jr 747-2204
340 Soderborg F H P18-5538
341 Shersiv C A P18-3064
344 Williams M P18-6392
345 Bloom T H 748-6899
346 Wright C W 747-2435
348 Andersen A P18-1198
349 Mullen W P P18-2225
351 Hall R M 748-4693

MIAMI ST

178 Hogan J B 748-6147
179 Larnoth L E P18-1469
180 Atkins J B P18-7410
181 Goff J 747-2282
183 Reed O H 748-6105
184 Rauch R L 747-1321
185 Foster J P P18-3638
186 Hata T L 747-8334
187 Olmer R L P18-1979
188 Krueger W A P18-5895
189 Sample J E P18-6426
190 Risch G J P18-5176
191 Everly W R P18-4420
192 Smith J I P18-4773
193 Saulean S R P18-1981
194 Foster I O P18-1707
195 Cross L A P18-1699
196 Trent C W Sr P18-1784
197 Piccone V E 747-2229
200 Snyder W R P18-6894
201 Miller D G 747-2275
202 Tober E M 747-0692
203 Stanton G P18-1529
204 Look J F P18-2475
205 Hunsaker D V 748-6168
207 Peacock M G P18-2007
208 Robey H E P18-3141
210 Lindenmeyer W J P18-4483
211 Rice W L 748-2429
212 Desik B J P18-3779
213 Hynes J P 748-6193
214 Shields C J P18-4675
215 Kirk S P18-1733
216 Braun M P18-2127
217 Witkovsky M P18-3511
218 Lawson D M 747-2305
219 Rainan C P18-2448
220 Burke M P P18-5776
221 Orosi Lorraine P18-3239
222 Davis C E 747-0786
223 Boat F D 747-3866
228 Smith G F P18-3726
229 Pepper Mary Mrs P18-6483
230 Anderson D V 747-0963
232 Mitchell L O P18-5609
233 Wood R E Jr 748-3616
234 Konrath E J P18-6190
235 Springwater D K P18-4096
236 Felton J W Dr P18-2098
237 Saak E P18-4294
238 Babbitt H E P18-1106
239 Bradford N P18-1925
240 Notarus S P18-7086
241 Duncan D P18-9059
242 Sherrill J C P18-1971
243 Daniels R P18-7104
244 Kartin D G 747-2564
245 Daniels N K P18-0164
246 McKenly H C 748-9137
247 Scholier E M 747-3125
248 Cassidy T C P18-3671
249 Pensoh F P18-0592
250 Schwartz E S P18-7633
251 Beth G Mrs P18-2813
252 Hebert R P P18-6629
253 Frauenhoff E R P18-6660
255*Qunell Const Co 748-9177
255 Qunell W P18-7649
256 Thorne G L 748-0254
257 Coffey R J P18-5160
259 Halperin W J P18-1506
261 Lamb P A P18-7150
262 Chiesse G A P18-4569
263 Smith W J 748-3978
300 Throntveit T M P18-2378
301 Kay S P18-2103
302 Tennyson R D P18-3618
303 Peterik R J P18-1606
305 Buehler O E P18-2622
305*Custom Painting & Decorating P18-5520
306 Strandberg D P18-5035

MIAMI ST-Cont'd.

306 Ronnau May 748-3906
307 Kearney W B 748-4601
308 Brandebury R L P18-7140
309 Putnam H D 747-2874
310 Cowan M S 747-3549
311 Kraft K 748-0893
312 Bunting L A P18-3073
313 Brasseur F P18-3193
317 Stevenson H R P18-7302
321 McLean J E P18-9505
322 Murphy A A P18-6761
323 Ehrlich H P18-9426
324 Hull F J P18-6396
325 McPherron V E 747-1162
326 Beggs E L P18-3284
327 Curry J A P18-4789
328 Phillips G C P18-6626
329 Nelson E P18-2004
330*Heals T C P18-6100
331 Suncell R A P18-1010
332 Noble M H P18-2632
333 Zidel I P18-6804
335 Nelson C P18-2584
337 Gibbs A E 747-1721
339 Knott F J P18-4595
340 McFall R S P18-1842
341 Weisker R J 747-3815
342 Moore R C P18-1027
343 Stanleek P P 747-2009
345 Stanley T J P18-1708
350 Beard L T P18-2536
351 Ehrhardt C A P18-7529
354 Wicks R P18-3415
356 Wenthe P K 748-1910
358 Garhand C H P18-2878
359 Johnston R J P18-2276
360 Kirby J G P18-4970
363 Ramsey R 748-2608
364 Becker G F P18-6818
365 Haldeman D F P18-7462
366 Crosby B J P18-3025
368 Pfeiffer A P18-7224
371 Massey B P18-1117
372 White Elizabeth P18-1372
374 Snow T E 748-4203
375 Cialkowski W J P18-6303
376 Rardin P S P18-4355
378 Warbur L R 747-2538
380 Wolff D D Sr 748-7476
382 Ayers C M P18-4582
403 Coldren G T P18-6679

MICHAEL RD

1 Oelbel R J 747-8327
3 Marshall D R 747-0849
5 Coleman C G 747-2335
7 Shepat T M 747-8356
9 Begaus D L 747-2166
10 Sneed J Q 747-2959
11 Walter H O Jr 747-0763
16 Gutfreund K 747-0066
17 Faulhaber J 747-0649
18 Burton F L 747-8436
19 Schohlinger E 747-0249
20 Winsor H C 747-3139
21 Castillo H M MD 747-1711
22 Marion C F 747-2345
24 Schell H J 747-1277
25 Doernhoefer M R 747-2066
26 Maronde G M 747-1278
28 Love H Dr 748-0400
29 Kraulich W E 747-0322
30 Seelze G P 747-3784
32 Collins G 747-1673
33 Donath E E 747-3080

MILL RD

(RICHTON PARK)

3842 Fraccaro Marg P18-3917

MILLARD AV

(RICHTON PARK)

*Water's Donut & Coffee House 747-1944
21739 Zagorski P P18-1765
21945 Taprell W P18-2361
21955 Gabel E A P18-2586
21956 Kline P J P18-2113
21967 Merritt V E P18-2257
22000 Johnson R C 748-3015
22001 Eichorst J P18-3783
22008 Welke W F P18-6669
22012 Pulley H G P18-2389
22015 Forsythe D S P18-4108
22016 Kelly Ellen P18-3489
22021 Heisler J T P18-7427
22022 Sullenger W P18-1844
22023 Mathies H P18-2099
22026 Vincent G L P18-4390
22031 Wilks R C P18-9644
22032 Compagnoni S P18-6783

232 Mitchell L G	PI8-5609
233 Luff G	PI8-4261
234 Konrath E J	PI8-6150
235 Springwater D K	PI8-4096
236 Felten J W Dr	PI8-7098
237 Sank E	PI8-4204
238 Babbitt H E	PI8-1106
239 Bradford N	PI8-1925
240 Notarus S	PI8-7086
241 Tuoti G J	PI8-5118
242 Sherrill J C	PI8-1971
243 Daniela R	PI8-7104
244 Johnson H R	PI8-1630
245 Ripley J P	PI8-2217
246 McLoughlin J C	PI8-6156
247 Jarman A W	PI8-2340
248 Cassidy T C	PI8-3671
249 Kitch C S	PI8-7627
250 Schwartz E S	PI8-7635
251 Beth E Jr	PI8-2813
252 Watson J E	PI8-5060
253 Fraunhoffer F J	PI8-6950
254 Quenell Const Co	PI8-7649
255 Harwell W E	PI8-3456
256 Coffey R J	PI8-5160
257 Wellner W C	PI8-1628
258 Halperin W J	PI8-1936
259 Brown A E	PI8-7535
260 Lamb P A	PI8-7150
261 Carlisle E S	PI8-5650
262 Rich L	PI8-7141
263 Mack J D	PI8-2187
300 Christensen M A	PI8-4142
301 Kay S	PI8-2105
302 Tennyson R D	PI8-5618
303 Peterik R J	PI8-1606
304 Spitzer D L	PI8-7658
305 Buehler O E	PI8-2622
305*Custom Painting & Decorating	PI8-5520
306 Strandberg D	PI8-5035
307 Thompson M F	PI8-6029
308 Brandebury R L	PI8-7140
309 Poteet C	PI8-1443
311 Arthur W J	PI8-1353
312 Bunting L A	PI8-3093
313 Gregg J W	PI8-1515
315 Salmon H L	PI8-4613
317 Stevenson H R	PI8-7302
318 Radeke R C	PI8-6107
320 Neal P J	PI8-5688
321 McLean J E	PI8-6067
322 Murphy A J	PI8-6761
324 Holter R	PI8-2888
324 Hull F J	PI8-6396
325 Srb A L	PI8-4860
326 Beggs E L	PI8-3224
327 Curry J A	PI8-4789
328 Phillips G E	PI8-6626
329 Nelson E	PI8-2004
330 Heale T C	PI8-6100
331 Suloway M	PI8-4352
332 Noble M H	PI8-2632
333 Zidel I	PI8-6804
335 Nelson C	PI8-2584
337 Likas D Lt Col	PI8-1431
339 Knott F J	PI8-4595
340 McFalls R B	PI8-1842
341 Wayne R S	PI8-6441
342 Moore R C	PI8-1027
343 Forbes J L	PI8-4612
345 Stanley T J	PI8-1702
350 Beard L T	PI8-2556
351 Ehrhardt C A	PI8-7525
353 Burle Ann E	PI8-4204
354 Wicks R	PI8-3415
355 Marshall W P	PI8-7416
356 Fogli L C	PI8-3485
357 Gopper J E	PI8-3781
359 Gerhard C H	PI8-2878
359 Kann W C	PI8-1479
360 Kirby J G	PI8-4970
361 Hardy M L	PI8-5428
362 Ross H S	PI8-3190
363 Fillicetti P	PI8-2330
364 Becker G F	PI8-6918
365 Haldeman D F	PI8-7462
366 Crosby P J	PI8-3025
367 Asp P N	PI8-2319
368 Pfeiffer A	PI8-7224
369 Peterson G M	PI8-3738
370 East A	PI8-7562
371 Bower W S	PI8-7183
372 Foss P	PI8-4085
373 Peters J B	PI8-7443
374 Croker R A	PI8-1280
375 Chalkowski W J	PI8-6303
376 Rardin P S	PI8-4355
378 Pedersen E	PI8-1598
380 Snow T R	PI8-4203
382 Ayers C M	PI8-4532
405 Coldren G T	PI8-6679

MICHAEL RD

1 Geibel R J PI4-5327

3 Marshall D R	PI6-6849
5 Cohn J	PI6-6538
7 Shepet T M	PI6-6356
8 Lutrin A M	PI6-2614
9 Bitner R A	PI6-6450
10 Hoffman W D	PI6-5348
11 Williams J D	PI4-4396
13 Brooks W W	PI6-5916
15 Inhof A G	PI6-5487
16 Outfreund K	PI5-0404
17 Shoemaker L Maj	PI6-5466
18 Spratley J H	PI6-6880
19 Hunt W A Lt Col	PI6-5548
20 Otten	
L J Jr Lt Col	PI6-6186
21 Schmidlin G H	PI5-3822
22 Collins G B	PI4-0674
23 Hoople W C	PI5-0620
24 Greer C O	PI6-4572
26 Colerick B N	PI6-5957
27 Nelson L R	PI6-3501
28 Tebelman K	PI5-3667
29 Parmenter R W	PI6-5525
30 Fenner R F	PI4-7097
31 Welk R L	PI6-6066
32 Rittenburg J G	PI6-6499
33 Donath E E	PI4-9080

MILL RD

(RICHTON PARK)

3842 Fraccaro Marg	PI5-5917
3850 Sonby V	PI6-2420

MILLARD AV

(RICHTON PARK)

Secrest P	PI4-4370
21939 Zagorski P	PI6-1765
21945 Taprell W	PI5-7961
21955 Nuding N E	PI5-1243
21956 Klimke P J	PI5-9113
21958 Earleywine W	PI6-4585
21967 Merritt V E	PI5-8257
22001 Eichorst J	PI5-3783
22008 Welke W F	PI6-3669
22012 Pulley H G	PI4-1389
22013 Kimberly P E	PI5-4638
22015 Forsythe D S	PI5-4108
22016 Kelly P E	PI6-6029
22021 Waid H O	PI6-6933
22022 Williams Marg	PI5-5921
22025 Matthews H	PI5-8799
22026 Vincent G L	PI4-6390
22031 Kierling E	PI4-5292
22032 Compagnoni S	PI5-8785
22035 Arbutuckle C R	PI4-9183
22036 Donahoe W E	PI6-7523
22039 Erlandson J M	PI5-3806
22040 Smith H D Jr	PI4-3526
22102 Davis D	PI5-6055
22107 Jones R L	PI5-7273
22109 Banovich R A	PI6-6713
22111 Wigg S C	PI5-7158
22117 Denatlo J T	PI5-0800
22121 Heints E T	PI6-5920
22122 Barnhart S	PI5-7763
22125 Barrett A A	PI6-1772
22126 Claxton L	PI6-2384
22135 Nagel W	PI4-7100
22136 Ammon F M Jr	PI6-6157
22139 Bels J A	PI4-1225
22140 Stevens N	PI5-0520
22447 Marquardt D H	PI8-1136

MINOCQUA CT

3 Allen C L	PI8-5318
4 Sutphen H D Jr	PI8-2228
5 Pickney M R	PI8-5467
7 Matturro B	PI8-3723

MINOCQUA ST

242 Hauredahl O E	PI8-7586
243 Bigos R S	PI8-1397
244 Galle W J	PI8-2254
245 Smeis F	PI8-7469
246 Korkemo R W	PI8-1186
247 Iverson A	PI8-3482
247 Blewett R D	PI8-6367
249 Deitch J J	PI8-1820
251 Schutz E R	PI8-6742
252 Moore G R	PI8-3616
253 Clark H E Jr	PI8-3184
254 Swenson T A	PI8-2415
255 Lindhoff A F	PI8-7311
256 Berios G K	PI8-4078
258 Maynor T H	PI8-4559
259 Lindisch V H	PI8-4468
260 Swift D	PI8-7124
261 Pietraszek E W	PI8-4070
262 Kunde H F	PI8-6764
263 Strauss H	PI8-5984
264 Schaffhausen F	PI8-1155
265 Schneider M G	PI8-7384

268 Elliott M L	PI8-3578
269 Bliske A F	PI8-1637
270 Kinde R R H	PI8-5348
271 Ryza W S	PI8-2117
273 Vaughan A P	PI8-2954
275 Anderson C W	PI8-3110
276 Klstnick D	PI8-3787
278 Folio J L	PI8-3016
279 Foulkes F H	PI8-5643
281 Atz R D	PI8-1219
282 Irwin C H	PI8-5694
283 Ely M A	PI8-3308
284 Bose W	PI8-7542
285 Nelson W E	PI8-6210
286 Robinson D	PI8-1074
288 Dillman D F	PI8-5163
289 Brindley J L Mrs	PI8-2473
290*VanGelder S	PI8-2915
292 Styles D R	PI8-1139
293 Williams J R	PI8-5794
294 Martin K	PI8-1678
295 Maguire T H Jr	PI8-5747
296 Finch R A	PI8-7675
297 Ellensberg A J	PI8-6171
298 Gillespie A B	PI8-1456
301 Wolsten CC	PI8-7583
302 Underwood K E	PI8-4680
303 Boie S E	PI8-3204
304 Geraci V	PI8-7033
305 McGuire H Maj	PI8-4772
307 Erwin J T	PI8-6980
308 Lambertsen J G	PI8-3178
309 Baker R R	PI8-6588
310 Harmon J W	PI8-3246
311 Tester J R	PI8-6739
312 Hartig R H	PI8-3569
313 Barry M J	PI8-2633
314 Phillipppo C H	PI8-2650
316 Kleber C W	PI8-5958
317 Aldridge J W	PI8-3608
318 Stemple E J	PI8-5955
319 Engstrom C A	PI8-7310
320 Davida Lillian	PI8-2376
321 Koranda M W	PI8-1123
322 Betti V	PI8-4533
323 Johnson G E	PI8-1346
325 Collier R E	PI8-1243
326 Fiorello L A	PI8-7475
327 Stephenson T F	PI8-6237
329 Zalega F	PI8-2119
330 Smith W J	PI8-3978
331 Peregrin J M	PI8-3891
332 Aravosia P D	PI8-4290
333 Spurrier H B	PI8-4480
335 Finn K J	PI8-1880
336 Grusin M E	PI8-5730
338 Lindahl H R	PI8-4254
339 Angesen A C	PI8-5693
341 Gredell G	PI8-4821
342 Wehling R J	PI8-6825
342 Wehling Ruth C	PI8-4870
343 Kennedy R J	PI8-2486
345 Susan M C	PI8-5350
347 Hughes R L	PI8-6093
349 Gritchen R A	PI8-4265
350 Stought K N	PI8-6711
351 Wahlman N	PI8-3504
352 Kaage R R	PI8-4494
353 Hansen R H	PI8-1933
354 Kayer A	PI8-1551
355 Ziesler R C	PI8-5068
356 Maloney J C	PI8-1602
357 Purcell J F	PI8-5510
358 Egan J G	PI8-6965
359 Levander R A	PI8-1153
360 Rosenberg R H	PI8-2016
361 Hunt S A	PI8-1339
363 Hale E T Capt	PI8-5437
365 Labudde E J Jr	PI8-2901
367 Rendeiro J C Jr	PI8-1108

MOHAWK ST

262 Roche R J	PI8-3305
263 Marlatt G V	PI8-6974
264 Layne Laury	PI8-4492
265 Gonzales P E Jr	PI8-6646
267 Cheshire H E	PI8-3067
268 Foreman	
H Lt Col	PI8-5673
269 Rodgers F W	PI8-7267
270 Polk R V	PI8-1698
271 Gluck F M	PI8-2841
272 Bixhorn S W	PI8-5563
273 Hagner F G	PI8-5426
274 Burton R C Jr	PI8-2502
275 McKeough W J	PI8-2408
276 Schwyn C E	PI8-5795
277 Rosenfeldt D A	PI8-3287
278 Gahwiler R M	PI8-1231
279 Word E R	PI8-3280
280 Utterback A F	PI8-4925
281 Anderson J H	PI8-2153
282 Hornback L T	PI8-6158
283 Roval J	PI8-4598
284 Janowski E A	PI8-1103

285 Platt E B	PI8-3243
286 Reck J	PI8-1105
287 Oliphant R E	PI8-3941
288 Kammerer W L Jr	PI8-4450
290 Metcalf R H	PI8-5738
292 Kiley R W	PI8-3384
294 Edgord R W	PI8-2644
301*Mohawk Sch Dist	
No 163	PI8-6274
302 Hickey P E	PI8-6023
304 Hoten D F	PI8-2303
306 Kotnour E	PI8-2829
308 Vienneau E B	PI8-1787
310 Potts C A	PI8-1826
312 Welty M F	PI8-3639
314 Mahon E	PI8-3223
316 Roche W H Jr	PI8-4421
318*Hahn S W	PI8-4277
319 Jensen W L	PI8-6990
320 Scallion R	PI8-7380
321 Laubenthal D H	PI8-7059
323 Bogan M A	PI8-6821
324 Callan T J	PI8-1149
325 Taylor R J	PI8-4329
326 Miller Gail L	PI8-1617
327 Glaus R P	PI8-5402
328 Kozak L E	PI8-5731
330 Westermeyer D D	PI8-2455
331 Holzaepfel H C	PI8-3581
332 Clegg R	PI8-7261
333 Vandye R	PI8-6984
334 Voytovich F T	PI8-5938
335 Olson C E	PI8-7202
336 Seaman B	PI8-3827
338 Scott W R	PI8-1124
339 Erickson K R	PI8-2463

MONEE CT

1 Henderson H H	PI8-1051
2 Ferrell B E Jr	PI8-2410
3 Pampel F C	PI8-3706
4 Vane R R	PI8-6231
5 Whipple R L	PI8-1614
7 Hager J R	PI8-7080
10 Sheldon G W	PI8-4022

MONEE RD

*Eddy's Super Service	
Incorporated	PI8-5644
*Strickler Hdw & Garden	
Shop	PI8-5974
*Strickler's Spot Lite Super	
Mart	PI8-3288
*Zinsner's Cleaners	PI8-7451
2 Maiera A J	PI8-7407
4 Meents R	PI8-1464
6 Vaupel J C	PI8-2867
8 Stark B F	PI8-5392
10 Gast F G	PI8-7447
12 Bernier Ethel	PI8-2499
14 Jacoby G	PI8-3565
18 Foster Irene	PI8-2161
20 Gold J	PI8-1398
22 Froemdsdorf D H	PI8-5266
24 Radtke R D	PI8-6418
26 Bernoudy A C	PI8-7112
28 Simon V H	PI8-3457
30 Henkel J A	PI8-3921
32 Netke E	PI8-6845
33 Klutznick P M	PI8-5880
34 Bonem A	PI8-5856
36 Lombard D	PI8-5422
38 Poteat H Lt Col	PI8-5766
40 Swearingen E	PI8-3659
42 Petravice P P	PI8-5630
43 Taradash G	PI8-1870
45 Taradash T	PI8-5032
46 Row F R	PI8-2089
48 Frisch A DDS	PI8-5993
49 Pomerantz A	PI8-4460
50 Scherr G H	PI8-1757
52 Komp J C	PI8-6813
54 Smith I	PI8-4227
56 Karcher E M MD	PI8-1058
60 Cragin M J	PI8-1261
64 Herreros G J	PI8-7116
77 Waterman E	PI8-2764
88 Whereatt R R	PI8-4453
91 Beber S	PI8-6514
96 Gebhardt Noma M	PI8-2186
102 Bergmann W F Jr	PI8-1534
104 Dickson G C	PI8-1047
106 Vance R M	PI8-3114
108 Coufal J R	PI8-6809
110 Schultz W H	PI8-4645
112 Field S G	PI8-4233
116 Pollack W	PI8-2976
118 Wilson R S	PI8-3828
120 Buffle E G	PI8-4183
122 Bisognani E T	PI8-2614
124 Limber T E	PI8-7389
126 Davis N B	PI8-4032
128 Levy A	PI8-5032
130 Martin W R	

MONEE RD-Cont'd.

PARK FOREST

SK - Skyline

MC CARTHY RD—Cont'd

30 Veenstra T A	SK4-5648
31 Kramer L R	SK5-3218
31 O'Donnell J L	SK5-2058
32 Kelly T P Jr	SK4-4485
33 Scheffler V T	SK4-8347
33 Kalsey C	SK5-5899
34 Bass B	SK6-2782
35 Wagner D J	SK4-9379
36 Barber R P	SK5-2421
37 O'Donnell S	SK6-3567
38 Rojahn F M	SK5-7281
39 Herzberger M J	SK5-5563
40 Mullen T J Jr	SK6-3199
41 Cooper C H	SK4-9215
42 Hodson C H	SK6-2672
43 Smith L R	SK6-3611
44 Gibbons J E	SK5-2596
47 Bierman K M	SK5-2726
49 Williams T R	SK4-7290
51 Saks J	SK4-4855

MC GARITY RD

4 Schuman F Lt Col	SK5-8937
8 Hansen H F	SK4-6171
10 Crammer C J	SK6-3259
12 Larsen L P	SK5-1065
16 Moore R M	SK5-6238
23 Pace E C	SK5-8266
25 Heisterberg E M	SK4-6233
26 Tauber R E	SK5-8195
27 Gouington M Jr	SK5-4311
28 Wildman N E	SK6-3613
33 Katt D	SK5-2575
37 Chang B	SK4-1494
39 Ball R H	SK4-0317

MEOTA ST

300 Cartwright S K	SK4-7908
302 Bickel J W	SK4-1609
303 Davis B	SK5-6994
305 Reyher Dorothy	SK5-8574
307 Katts E M	SK4-6504
308 Pickens A E Jr	SK4-7164
309 Hedstrom R L	SK6-0833
310 Anthony E	SK4-9269
311 Kelly E B Maj	SK4-6662
312 Anderson G W	SK4-6958
313 Desik B J	SK4-7779
315 Thompson R N	SK5-3817
316 Hoidalch R W	SK4-6878
317 Erickson A R	SK5-7846
318 Nicholson H F	SK4-1828
319 Hoganson S	SK5-7872
320 Haines R T	SK4-6788
321 Tongren B R	SK5-4687
322 Jones C H	SK5-8817
323 Larson F A	SK4-6430
325 Diersen R W	SK5-9651

MERRIMAC ST

310 O'Hara J W Jr	SK5-8297
311 Grant J H	SK5-8684
312 Escala J	SK5-8573
313 Roselle E S	SK4-6185
314 Fernandes E	SK4-0697
315 Goddard N	SK5-7928
316 Shea Lillian H	SK5-6457
317 Bowers F A Jr	SK4-6033
318 Paul G E	SK5-5889
319 Michalak F T	SK4-3654
320 Otto P J	SK5-6408
321 Hubach A D	SK5-7564
322 Galloway R D	SK4-1557
323 Schober J H	SK4-8528
324 Parsons J C	SK5-6949
325 Eads J C	SK6-0776
326 Meyers C H	SK5-5167
327 Leibowitz B	SK5-3049
328 Turner W C	SK5-2555
329 Corradi E	SK4-5001
330 Crouse D J	SK4-1631
332 Rothgery C G	SK5-7687
333 Kohuth P	SK5-7833
334 McFarland K M	SK5-6400
335 Farris H T	SK6-4085
336 Sheehy D T	SK5-7867
337 Crossley H M	SK4-1254
338 Lorts C C	SK6-1817
339 Heath W A	SK4-6182
340 Beck R R	SK5-7836
341 Shereiv C A	SK5-7893
342 Pickens A E Sr	SK6-3266
343 Caley G A	SK5-3900
344 Gray R C	SK4-1439
345 Shelton B R	SK5-3526
346 Albrethsen H	SK6-3845
347 Dease E J	SK5-0547
348 Rynkar J	SK4-0206
349 Mullen W P	SK5-2225
351 Reed J B	SK6-1748

MIAMI ST

178 Gilchrist D J	SK5-2765
179 Larnoth L E	SK4-1469
180 Atkins J B	SK5-7410
181 Cartner A J	SK4-7529
183 Smith C W	SK4-6893
184 Lyons R H	SK5-8134
185 O'Sullivan R H	SK4-1599
186 Lowry R W	SK4-1586
187 Olmer R L	SK4-1979
188 Krueger W A	SK5-5895
189 Sample J E	SK4-6426
190 Rogers E T	SK5-5896
191 Everly W R	SK5-2420
192 Ruetz C W	SK4-4579
193 Saalman B R	SK4-1981
195 Cross L A	SK4-1699
196 Hawkins M R	SK5-5883
197 Allen D J	SK5-1561
200 Evans D R	SK5-0036
201 Cottingham R	SK4-6073
202 McLaughlin C	SK4-5682
204 Look J F	SK4-2475
205 Wierzbicki H G	SK4-5450
206 Byers H P	SK5-3984
207 Buehler H F	SK5-4673
208 Mann J O	SK4-4689
209 Kresse T J	SK6-1804
210 Lindenmeyer W J	SK4-4483
211 Rittenberry W S	SK5-5140
212 Mullin J J	SK4-6847
213 Vix J P	SK4-7560
214 McRoy R W	SK4-9258
215 Krans W G	SK6-3855
216 Braun M	SK5-2127
217 Witkowski M	SK5-3511
218 Busby J E	SK6-1575
219 Naiman C	SK4-0448
220 Burke M P	SK5-5776
221 Telander D H	SK4-9230
222 Meschke R	SK4-0352
223 Clearman H S	SK4-5698
228 Smith G P	SK4-7726
229 Pepper J W Mrs	SK4-6485
230 Quirk J J	SK5-7190
231 Arneson Jean S	SK5-7105
232 Mitchell L G	SK4-5609
234 Konrath E J	SK4-6150
235 Springwater D K	SK5-8096
236 Felten J W	SK5-2098
237 Saak E	SK5-8294
238 Krumpolz H A	SK4-8459
239 Bradford N	SK6-0925
240 Notarus S	SK5-7086
241 Harrison D C	SK5-6191
242 Purpura F J	SK5-7174
243 Daniels R	SK5-8104
244 Johnson H R	SK4-1630
245 Ripley J P	SK4-0217
246 McLoughlin J C	SK5-6156
247 Jarman A W	SK5-0340
248 Penn J F	SK5-9595
249 Buettner J A	SK4-1175
250 Schwartz E S	SK4-5635
251 Bath E Jr	SK4-2813
252 Watson J E	SK5-5060
253 Frauenhoff F J	SK5-0860
254 Torphy Hazel	SK4-6434
255 Qunell W	SK4-7649
256 Harwell W E	SK6-3466
257 Coffey R J	SK5-5160
258 Dickson W G	SK5-7028
259 Halperin W J	SK5-1506
260 Brown A E	SK6-0935
261 Clayton M	SK4-7150
262 Frey H J	SK5-8462
263 Rich L	SK4-7141
300 Christensen M A	SK4-9142
301 Kay S	SK5-9105
302 Cacharat A A	SK4-6180
303 Peterik R J	SK4-1606
304 Spitzer D L	SK5-3658
305 Buehler O E	SK5-5520
306 Schafer E L	SK6-3456
307 Thompson M F	SK5-6029
308 Brandebury R L	SK5-7140
309 Schaidt D W	SK5-2966
310 Johnson H C	SK4-7269
311 Arthur W J	SK5-1353
312 Sweeney L J	SK5-0579
313 Hoover R J	SK5-0822
317 Stevenson H R	SK4-8302
318 Brislane F	SK5-2271
320 Austin K C	SK4-8534
321 McLean J E	SK5-6067
322 Murphy A A	SK4-6761
323 Mitchell R J	SK5-1533
324 Hull F J	SK5-6396
325 Gilliland W T	SK4-1593
326 Beggs E L	SK4-6284
327 Poole D E	SK4-1644
328 Test L E Jr	SK4-6210
329 Nelson E	SK6-2004
330 Heale T C	SK4-6100

331 Suloway M	SK5-1352
332 Noble M H	SK6-0632
333 Zidel I	SK5-0804
335 Nieman J R	SK5-6511
337 Likas D Lt Col	SK4-6431
339 Knott F J	SK4-8595
340 Schuchman N W	SK4-4494
341 Wayne H S	SK5-6441
342 Moore J W	SK4-9441
345 Stanley T J	SK4-1702
350 Beard L T	SK4-2556
351 Ehrhardt C A	SK5-7529
353 Keys R V	SK6-1525
354 Wicks R	SK4-8559
355 Marshall W P	SK4-0416
356 Fogli L C	SK4-8485
357 Gommer J E	SK5-3781
358 Wall D M	SK5-1037
359 Mann W C	SK5-1479
360 Ryan Ann G Mrs	SK6-0562
361 Durako W J	SK6-0777
362 Young J D	SK4-7572
363 Fillicetti P	SK4-2380
364 Becker G F	SK4-6818
365 Haldeman D F	SK4-7462
366 Crosby B J	SK5-8025
367 Asp P N	SK4-2319
368 Pfeiffer A	SK5-9224
369 Peterson G M	SK4-2217
370 Ewearingen M W	SK4-8686
371 Bover W S	SK4-7183
372 Foss F	SK5-2551
373 Peters P E	SK4-8443
374 Croker R A	SK4-1280
375 Cialkowski W J	SK4-6303
376 Kirk O L Jr	SK4-7393
378 Gnech A	SK5-8045
380 Snow T E	SK5-7203
382 Ayers C M	SK5-4582
403 Mielke J E	SK5-4834
405 Loveless S M	SK5-4877

MICHAEL RD

1 Geibel R J	SK4-5327
3 Smith C F	SK6-2418
5 Dubuc R H	SK5-6493
7 Veroneau D E	SK6-2788
8 Searight C W Jr	SK4-4309
9 Petersen R L	SK5-7258
10 Hartman R F Col	SK4-8204
11 Pfeiffer R M	SK6-3636
13 Clark J H	SK6-4072
15 Courshon J B Jr	SK5-5707
16 Anderson H D	SK6-3762
17 Shipman R E	SK5-2916
18 Hoskin F A	SK4-7049
19 Kantor S D	SK6-2755
20 McGill G R	SK4-8083
21 Jacobs P	SK4-9219
22 Collins G B	SK4-0674
23 Quam J M	SK6-3183
24 Silkman J A	SK4-8059
25 Schindler E A	SK5-8093
26 Brust W E	SK6-3981
27 Nelson L R	SK6-3501
28 Tebelsan K	SK5-3667
29 Fried B J	SK5-0056
30 Penner R F	SK4-7097
31 Gantz B S Jr	SK4-5313
32 Klein P E	SK4-1471
33 Donath E E	SK4-9080

MILL RD

(RICHTON PARK)

3842 Fraccaro Marg	SK5-5917
3850 Sonby V	SK6-2420

MILLARD AV

(RICHTON PARK)

Secret P	SK4-4370
Stevens M	SK5-9520
21945 Taprell W	SK5-7961
21955 Nuding N E	SK5-1243
21956 Kline P J	SK5-9113
21963 Earleywine W	SK4-4694
21967 Merritt V E	SK5-8257
22001 Elchhorst J	SK5-3783
22012 Pulley H G	SK4-1389
22016 Gomes C	SK4-9275
22021 Reznau D	SK4-1810
22022 Williams E G	SK5-5921
22025 Mathies H	SK5-8799
22032 Compagnoni S	SK5-8785
22035 Arbuckle C R	SK4-9183
22039 Erlanson J M	SK5-3806
22102 Davis D	SK5-6035
22107 Jones R L	SK5-7273
22108 Bishop P R	SK4-4627
22111 Wigg S C	SK5-7138
22117 Dematio J T	SK5-0200
22121 Heintz E T	SK5-3260
22122 Barnhart S	SK5-7763
22125 Barrett A A	SK6-1772

22135 Nagel W	SK4-7100
22136 Johnson H W	SK5-7074
22139 Beis Rita	SK6-0857
22447 Marquardt D H	SK5-1136

MINOCQUA CT

3 Cozza J F	SK5-5507
4 Fox S	SK4-6776
5 Norman J H	SK5-4510
6 Schiff L R	SK4-8326
7 Matturro B	SK5-2723

MINOCQUA ST

242 Haukedahl O E	SK4-7586
243 Bigos R S	SK5-1397
244 Calle W J	SK4-2254
245 Smeak F	SK5-0469
246 Morkemo R W	SK6-2186
247 Engel Marilyn L	SK4-7204
249 Delich J J	SK5-9678
251 Andrews R S	SK5-9684
252 Patterson M W	SK5-1306
253 Clark H E Jr	SK4-3184
254 King B R	SK5-7805
255 Lindhoff A F	SK4-8311
256 Barion O K	SK5-4078
257 Provan N D	SK5-4348
258 Brown E O	SK4-0821
259 Schaffhausen F	SK5-8155
260 Swift D	SK4-6124
261 Pietraszek E W	SK5-9070
262 Parker T E	SK4-1032
263 Strauss H	SK4-5884
264 Lamb F	SK5-8924
265 Schneider M G	SK4-7384
268 Tardiff D W	SK5-2773
269 Bliske A F	SK5-9637
270 Feaser H J	SK5-6621
271 Ryza W S	SK4-9117
275 Anderson C W	SK4-9110
276 Kletnick D	SK4-6787
277 Crompton R T	SK4-5950
278 Folio J L	SK4-0016
279 Foulkes F H	SK5-5643
280 Vaughan A P	SK5-2954
281 Stoneberg E	SK4-4556
282 Irwin C H	SK4-5694
283 Ely M A	SK5-7903
284 Bose W	SK4-8542
285 Owens R A	SK4-8467
286 Hemmann C C	SK5-7463
287 Gillispie A B	SK4-8456
288 Hamilton J L Jr	SK6-3086
289 Browne R F	SK6-3238
290 Petullo A Mrs	SK6-0873
292 Peterson H	SK5-7192
293 Williams J R	SK4-5794
294 Martin K	SK4-1678
295 Maguire T H Jr	SK4-5747
296 Finch R A	SK5-2675
297 Jordan W E Col	SK6-0738
301 Woltjen C C	SK5-7583
302 Wagner J B	SK5-1428
303 Bole S E	SK4-9204
304 Geraci V	SK5-8033
305 Campbell D F	SK5-7328
307 Erwin J T	SK5-6930
308 Lambertsen J O	SK5-9211
309 Baker R R	SK5-6588
310 Harmon J W	SK4-8789
311 Tester J P	SK4-6739
312 Hartig R H	SK5-9569
313 Barry M J	SK4-2633
314 Phillippo C H	SK6-2650
316 Weprin W F	SK4-9071
317 Stroop W E	SK4-9047
318 Stempfle E J	SK4-5955
319 Engstrom C A	SK5-2310
320 Niat D E	SK5-0207
321 Koranda M W	SK4-8123
322 Betti V	SK4-4533
323 Rivenburgh J G	SK4-9222
324 Campbell J W	SK5-9475
325 Skoglund E B	SK4-7004
326 Crouch J E	SK4-8016
327 Gabbert W R	SK4-5810
329 Peterson J E	SK4-5325
330 Smith W J	SK4-6978
331 Peregrin J M	SK5-3391
332 Aravosia P D	SK5-8290
333 Spurrier H B	SK5-4490
334 Ellenberger E R	SK6-2371
335 Finn K J	SK5-7880
336 Grusin M E	SK4-5730
337 DuBose G D Jr	SK6-2315
338 Baillie G W	SK4-4757
339 Agesen A C	SK4-5693
340 Ottens J T	SK4-7800
341 Wolfe J Jr	SK5-6321
342 Wehling R J	SK5-0825
343 Kennedy R J	SK4-8486
345 Bihler E	SK5-6972
347 Hughes R L	SK5-6093
349 Gritchen R A	SK5-6265

MOHAWK ST

262 Roche R J	SK4-8305
263 George J A	SK6-0775
264 Layne Laury	SK6-3492
265 Hanslik D W	SK5-7832</

23	XXX	00	80408 CONT.	23	XXX	00	80408 CONT.	23	XXX	00	80408 CONT.	23	XXX	00	80408 CONT.
24	YOUNG Sharon	746-1083	00	24	YOUNG Sharon	746-1083	00	24	YOUNG Sharon	746-1083	00	24	YOUNG Sharon	746-1083	00
25	PORTER Christine	747-7410	00	25	PORTER Christine	747-7410	00	25	PORTER Christine	747-7410	00	25	PORTER Christine	747-7410	00
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57	XXX	00	00	57	XXX	00	00	57	XXX	00	00	57	XXX	00	

SAUK TRL	80488 CONT.
324 XXXX	748-6388
325 GREENHALSH Edw K	748-6388
326 WINDSOR	
327 XXXX	
328 STELTEN Vernon F	748-2820
329 SELF David B	748-2820
330 NILES	748-2820
331 HARDER David W	748-2820
332 MOSES Robt A	747-1293 +9
333 XXXX	
334 JOHNSON Rudy	748-4751
335 XXXX	
336 EVANS Vian A	747-6827 +9
337 CORDER Maria L	747-0726
338 GRABBS Fred	481-3681
339 LUPPLE Geo R	747-1140
340 XXXX	
341 HOFFMAN Wm	747-5676
342 MALLOY M E	747-0783
343 SWEETZER Charles A	481-8288 +9
344 OLEARY Edward J	747-0654
345 WILLIAMS Steve M	747-0443 +9
346 XXXX	
347 XXXX	
348 HAMPTON Kas	481-3376 +9
349 WATSON John P	748-7177
350 XXXX	
351 MINOCCA	
352 CONNOR P	748-3488
353 JOHNSON Gregory	748-6078
354 HARPER Deborah	748-6182
355 XXXX	
356 ARVIA Anthony	481-7818
357 XXXX	
358 HARTER Jas R	748-4882
359 KARLOFALS FOOD	748-8000
360 XXXX	
361 BERONOV Joe A	481-1328
362 ADAM Michael	481-8208
363 XXXX	
364 HURON BO SELF SERV	747-2320
365 ROBERTS John W Jr	748-6834
366 XXXX	
367 LAKEWOOD BLVD	
368 BLACKHAWK DR	
369 CHENIER CO	481-8311
370 XXXX	
371 STRATMANN Barbara J	481-1951
372 BULL Raymond L	748-2800
373 TACCO BELL	747-2820
374 BRYEN 11 FOOD	747-8816
375 CHURCH OF CHRIST FILLY	748-1000
376 PARK FIRST RACQUET CL	481-8050
377 HCH TWP INC SC CMPS	748-8800
378 HCH TWP INC SC CMPS	748-8800
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SAUK TRL	80471 CONT.
4127 XXXX	747-8853
4128 CREDIT BUR REPORTS	748-2880
4129 CREDIT BUREAU RPTS	481-2288
4130 AUGUST TIMOTHY DGS	
4131 XXXX	
4132 XXXX	
4133 XXXX	
4134 XXXX	
4135 HUNTER ELL LEASING	481-3440
4136 HRE MAX ALL REALTY	747-7790
4137 HANPAK CORP	747-2877
4138 HUNTER ELL LEASING	747-8707 +9
4139 HUNTER ELL LEASING	747-8800 +9
4140 ADVANTAGE FINANCIAL	747-0000 +9
4141 KARLOV AV	
4142 XXXX	
4143 BUTTERFIELD DR	
4144 COACHWAY LN	
4145 XXXX	
4146 XXXX	
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1	SAUK TRL E	80411 CO
7	1906 XXXX	00
8	1909 MCKENNA Timothy	758-4551
7	1913 DAVIS Chas H	757-58
7	1917 GARTY'S Ronald R	758-2857
7	1925 GREGORYK Mark	758-4645
7	2017 RODRIGUEZ Martha	757-8028
7	2035 STOKES Carl D	757-406
7	2038 GIBSON A	758-646
7	2100 XXXX	00
7	2111 XXXX	00
7	2117 XXXX	00
7	2123 ALLISON Jas A	758-087
7	2128 MOREY E	758-5838
7	2135 COLLO Crisples C	757-1770
7	2141 XXXX	00
7	2142 XXXX	00
7	2167 DENTON Vinm L	757-5556
7	2170 THORNBILL Maida	758-500
7	2177 THORNBILL Travele D	758-277
7	2184 ALEXANDER Delbert E	758-097
7	2203 WINSOS Deane R	757-750
7	2218 FOGLE AR	757-884
7	2240 PITZTEACHER Wm J	758-5038
7	2244 LADD Gregory	758-088
7	2246 XXXX	00
7	2248 BROWN C A	758-088
7	2254 XXXX	00
7	2400 XXXX	00
7	2404 BILLINGSLEY Homer L	758-474
7	2406 XXXX	00
7	2408 *TOMAS VILLAGE TAP	758-484
7	2410 *TOUCH OF SICLY	758-282
7	2412 *THE REAL ESTATE	00 377
7	2430 XXXX	00
7	2460 *OLIVIA HAIR CARE	758-464
8	2480 *KATEENA ANTHONY DO	758-484
7	2480 *KATEENA ANTHONY DO LTD	758-484
7	2500 *KEG LIQUORS	757-134
7	2504 XXXX	00
7	2506 *GOLDEN SCHLOSS THE	757-834
7	2510 XXXX	00
7	2512 XXXX	00
7	2520 *CASEYS PUB	758-011
7	2550 XXXX	00
7	2551 XXXX	00
7	2552 XXXX	00
7	2600 *CALUMNET FEB SVNGS	758-000
7	2700 *SEVEN 11 FOOD BASK	758-270
7	2730 KALVELAGE EDW	758-284
7	2825 XXXX	00
7	2830 *FORD QDR MSE 1082	758-867
7	2890 XXXX	00
7	2900 XXXX	00
7	3001 XXXX	00
7	3013 CRAMER Deals M	757-577
7	3040 STAGE Robt	757-577
7	3535 DICKROY Ray	758-023
7	NO # *MATT'S STANDARD GS	758-983
7	NO # *ABC BLOOM TRL ATTEND	757-483
7	NO # *ABC BLOOM TRL	758-483
7	NO # *ABC BLOOM TRL PRSN	758-483
7	* 41 BUS 103 RES	11 NEW
7	SAUK TRL E 80411	
7	SOUTH CHGO HTS	
7	10 *EAGLE FMCL RENOVES	754-08
7	*FIRST UNION BV CORP	754-08
7	*11 COMPRESSED AIR BV	758-27
7	*MONEY LENDERS THE	758-00
7	11 *PRISCOS INSTRTY LNC	754-88
7	18 *OOPS WE GOOPED	754-88
7	20 *MARTY'S CAMPER TRLS	758-66
7	21 *CLOTHES	758-66
7	81 *SAUK TRL CAR WASH	754-24
7	88 *D&J CLASSIC HR DASH	758-08
7	88 *DO DO IT CAR WASH	754-37
7	95 *PRACORAL AUTO PARTS	758-08
7	96 *POZZO MACK BALEARY	758-08
7	100 *CHGO HTS NEWS AGCY	758-08
7	120 *DIXIE PLUMBING SPLY	758-03
7	276 *ABC HTS DISPOSAL	754-88
7	*ABC HTS DISPOSAL	758-08
7	*FITZPATRICK BRCS	754-88
7	* 18 BUS 0 RES	3 NEW
7	SAUK TRL W 80423	
7	FRANKFORT	
7	8182 LONG Michael	480-573
7	8300 KOVACH Edw J	480-693
7	8341 *RELEGATED Kenneth	480-693
7	8380 CHAMBERS Jas H	480-693
7	8410 HAKKINSON Walter L	480-624
7	OSMOND J	480-636
7	8625 COSMOP Drug	480-18
7	9117 *RICHARD Lawrence	480-18
7	GRASS Wm B	480-827
7	* 0 BUS 0 RES	3 NEW
7	SAUK TRL W 80411	
7	SOUTH CHGO HTS	
7	X MOPAC RR	
7	12 *BAB CAR WASH	754-91
7	13 XXXX	00
7	X JACKSON AV	
7	23 XXXX	00
7	24 XXXX	00
7	25 *HALL GRAPHICS	758-111
7	28 XXXX	00
7	33 *CHENIER OIL BV IYA	754-20
7	33 DENNIS Annabell	758-088
7	*HAZELS TAYLOR	758-088
7	X COMMERCIAL AV	
7	36 XXXX	00
7	40 XXXX	00
7	41 *STANLEY'S BRIDAL	758-39
7	42 STANCO Stenley	754-134
7	127 *HEMING LANE	754-777
7	128 RAINES Barbara	758-088
7	*STEEZER TY SHOP	758-04
7	X CHICAGO RD	
7	X CHICAGO PL	
7	87 XXXX	00
7	100 *MCDONALDS RESTAURTS	758-22
7	101 *SANTUCCI P M	754-88
7	104 *CHICAGO	758-08
7	106 *THE SEA FOOD BAR	758-08
7	108 *MCKINSTRY	754-031
7	109 FRESH Albert Jr	758-211
7	X MILLER AV	
7	125 PEARSE Warren L	754-08
7	126 *FORREST John R Jr	758-00
7	127 *HEMING LANE	754-777
7	128 RAINES Barbara	758-088
7	130 WHEELER Jack C	758-211
7	131 XXXX	00
7	132 PORTALES Amarelito	758-222
7	133 *RAYMOND	758-088
7	135 PRADAMER Chas	758-653
7	X FAIRVIEW AV	
7	138 GUILIANI Frank	758-557
7	140 HOOK Marvin	754-088
7	142 STACHULSKI John E	758-394
7	143 *MIGNELLO Tony	758-088
7	144 *MIGNELLO Tony	758-088

SAUK TRL

S. CHGO.

THE HAINES DIRECTORY

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323	XXXX	60468 CONT.
324	XXXX	
241	KEAMANN ANTHONY P	748-1419
242	JOHNSON REGINALD K	748-8789 +4
243	JOHNSON REX	747-8425 +9
244	PAUL T	748-1419
245	TABORS PETER	748-7245
261	AMSTER DAVID C	481-4882 +4
263	BROWN GREGORY A	747-1058 0
264	HOLMES STEVEN	748-1074 +9
267	GUADA DENNIS J	748-7679 0
300	XXXX	
301	ROBERSON ORVAL R	748-8984 2
302	XXXX	
303	BLOOD STEVEN E	747-5489 7
304	SMON SHELTON S	747-2235 0
311	XXXX	
312	BLACKWELL KAREN L	748-2867
316	MOSSO RICHARD	748-7329
317	XXXX	
318	MOSTERT THOS F	747-1552
321	MILLS BURTTON	481-1807 +1
322	MARTIN RICHARD E	481-2884 7
323	DUNARD ROY T	748-1485
324	XXXX	
325	GREENHALGH EDW K	748-8588
327	XXXX	
328	STELTER VERNON F	748-2820
330	SELF DAVID B	748-2480
331	XXXX	
332	HARDER DAVID W	748-7824
333	TAYLOR DONALD G	748-0234 1
334	XXXX	
335	JOHNSON RUDY	748-4751
336	ROCK THOS	747-5411 3
337	HOPEY M E	481-2884 7
338	CORDER MARVIN L	747-0725
339	GRABBS FRED	481-8851 7
340	LAPLACE GED R	747-1140
341	JAMES S R	747-2728 +4
342	HOFFMAN WILMA	748-1419
343	MALLOY M E	747-0753
344	CLEARY EDWARD J	747-0834 2
345	XXXX	
346	XXXX	
347	XXXX	
348	CLEMONS LILLIE B	481-5891 1
349	BRESSLER L J	481-3474 +4
351	WATSON JOHN F	748-7177
352	MCNERY WM F	748-0084
353	XXXX	
354	CONNOR B	748-3488
355	JOHNSON GREGORY	747-8073 9
356	NEED D DWIGHT	748-1481
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RICHTON PARK

3600	GRYAN J SERV STA	748-9880 7
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SAUK VILLAGE

1680	JAN ENTERPRISES	767-9757 9
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SOUTH CHGO HTS

10	A M CARSON LTD	768-0044 8
11	CARSON AM LTD	768-0044 8
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SAUK TRL E 60411

SOUTH CHGO HTS

1	IMPSON RANDOLPH W	598-8112	1
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SAUK CT 60466 CONT..
11 MEYER RUSSELL J 747-2582
12 SLATER MURRY W 747-2207
14 XXXX 00
* 0 BUS 13 RES 1 NEW

SAUK LN 60439 BOLINGBROOK

451 WOLTMAN GERALD W 739-0587 3
452 SCHAPMANN GERALD L 739-0040+4
453 SUMMERS GARY L 739-3219 3
454 KELSHEIMER DAVID C 739-3242 3
455 KOMALIK ALAN M 739-7409 3
456 ASKELAND TERRY W 739-3593+4
457 HOPFETT DAN L 739-2973 3
458 SZYMANSKI WAYNE R 739-2704 3
459 SULLIVAN WM J 739-0528 3
460 KONCZCZYNSKI DENNIS J 739-2533 3
461 GAJKOWSKI PAUL 739-2262 3
462 GUNIA V P 739-9570+4
463 RINGNICH STEVE A 739-5648+4
464 COYNE TIMOTHY J 739-1224 3
465 BOGHETICH LUTIG 739-5742 3
466 BRADBURY JAS H 739-3032 3
467 VINNEDGE W ROBT 739-1304 3
* 0 BUS 17 RES 4 NEW

SAUK PLAZA 60411 SAUK VILLAGE

3*SAUK DRUG 758-2300
6 XXXX 00
7*SAUK PLZ TVGAPPLNCS758-4288
8*KENN SILVER SHEARS 758-9628 3
9*JACKS HARDWARE STR 757-7360 3
10*BLUM MEDICAL GROUP758-9450 3
DELGAO RAO MD 758-9450 9
*SAHIG VICENTE F MD 758-9450 3
11*SAUK VLG CLNRS 758-3664
* 7 BUS 2 RES 0 NEW

SAUK TRAIL 60423 FRANKFORT

NO # ADE FREDK REV 469-2548+4
NO # BATSON L A 469-5162+4
NO #BONHAM EUGENE H REV469-5249 1
NO #CAMP HANITQUA 469-2319 0
NO #DGT CONST 469-5242
NO # DEPORTO WESLEY 469-5668
NO # DOBSON JACK J 469-2392 9
NO #FRANKFORT METH CH 469-5249
NO # HALL DELBERT 469-3659 3
NO # HELLRIEGEL KENNETH 469-5269
NO # LANE WALTER 469-5578
NO # LITTLE STEPHEN M 469-5798 1
NO # LGSAN JAS E 469-5225
NO # LUGSDON P ALAN 469-2807 1
NO # MARTI EZRA 469-2494
NO # PROKUP FRANK J 469-2821 1
NO # RASCHKE MICHAEL 469-3704+4
NO # SCHROEDER CASPER H 469-5701
NO # TEWES LLOYD 469-5242
NO # TEWES MARIE 469-5700
NO # ZORTMAN GENE 469-2293
* 4 BUS 17 RES 3 NEW

SAUK TRL 60443 MATTESON

NO # ANDERSON DONAL D 748-5322 1
NO # BOHLANN RICHARD E 748-3608+4
NO # OEBER GEO A 748-0394
NO # MATTEWOOD VERNON 748-0057
NO # MARQUARDT LAWRENCE 748-8663
NO # RUDICEL EDW S 481-1342 3
NO # STUENKEL HAROLD L 747-3212 3
NO # STUENKEL LOUIS F 748-8994
* 0 BUS 8 RES 1 NEW

SAUK TRAIL 60466 PARK FOREST

1 SCHWARZ WM 747-4758 3
2 FLEISCHMAN HAROLD 748-3608 1
3 BILLINGS A ALLEN 481-3422+4
4 KINSSELLA JAS H 747-3562 1
5 THOMPSON CHAS G 748-3097
10 COVEY FRED E 747-0270 0
13 CHARLAND BERNARD 748-1430
14 KOEPKE DANL 748-1215
15 LACEY RICHARD J 748-2927+4
16 XXXX 00
17 BENNETT HILDA 748-1766
18 PFISTER THOS E 747-2543 9
20 VANETTEN DONALD E 748-3037
VANETTEN FRANK MRS 748-3037
22 DAVIS WILLIE L 748-2990
23 KELLER N R 748-1370
24 BERGER MYRTLE MRS 748-1098
25 MESCHA E CHILDS 748-2337 0
MESCHA EDW A 748-2332
26 CONRAD ELMER A 747-4780 0
28 XXXX 00
30 HART CHESTER J 748-5898
32 KRAUSE ROLAND A 748-9313
33 LYONS C A 747-3294 0
34 TROY DONALD W 747-8846 1
35 STEPHIS MARTIN R 748-5768
36 BERRYHILL MARSHALL 748-0226 3
37 BLACK ALICE V 748-6493
38 SENK FRANK P 747-3761+4
39 BAILEY STUART C 748-0530
40 DISTEFANO FRANK 748-6779
41 MARTIN RICHARD V 748-3017
42 ALEXANDER CHAS W 747-4725+4
43 MCWORTER A B MRS 748-7275
45 MURDOCH DONALD 748-5999
47 HARRIS KENNETH L 748-8091

SAUK TRAIL 60466 CONT..
50 SNYDER WALLACE R 748-8964
51 SELLERS EDW 748-5967
52 MARTENTHAL FREDERIC748-1371
53 DECKER ROBT L 748-6463
54 LIPSITZ JOS 748-3297 1
55 ADDISON CARL 748-6255
56 LENHART DANL M 747-1966+4
58 DERRICK FRANK 747-3160
59 HOUSE WALTER R 748-1021
60 TOBECK A 748-6540+4
61 FINNIGAN GEO T 747-5982+4
62 XXXX 00
63 HEAD HOWARD H 748-2017
65 LANE CLAIRE 748-5639 0
LANE GARTH F 748-5639
102 RENZI ALBERT 748-6320+4
104 XXXX 00
106 TURNBULL WM 747-0912
108 JOSLIN CHAS H 747-0957
109 STANLEY ELBERT V 748-7473
110 STOCKING CHAS L 748-0993+4
111 HOLMES THOS J 747-8929
112 URGERO PETER 481-5449+4
113 JOYCE LESLIE J 747-2441
115 ONEILL MARTIN J 748-5036 1
116 XXXX 00
117 XXXX 00
118 XXXX 00
120 ROBERTS ERIC L 748-3171
121 DEVRIES JERRY 481-4437 3
123 RUBINAS PETER 748-7836+4
124 RHODES J C 748-4342
125 XXXX 00
127 DUNLAP MYRTLE N 748-4599
129 PRINCE ALAN 748-3735 1
131 MCMEEN HARRY H JR 747-8882 1
133 LINDACKER ROBT M 747-8313 1
134 VENTRESS ANDY 481-5580 3
135 MACDONALD ROBT 747-3979
137 LLOYD A H 747-8566 1
139 GIANCOLD PASQUALE 748-3896
141 XXXX 00
143 XXXX 00
144 HOVDE CARL A 748-1974+4
201 FIALA RICHARD E 748-1151 3
203 FRANKIE EDMUND SR 748-7490
205 KAUZLARICH JULIUS 6748-2350
207 CARLSON BERNARD MRS747-4146+4
211 XXXX 00
213 LENSBURG JACK A 747-8673+4
215 XXXX 00
219 RUBINO L A 748-1571 3
221 KENT V A 748-1434+4
223 NOFTZ FLOYD 747-2291 0
225 WHITMER DONALD E 747-1316+4
233 XXXX 00
235 EMERY S LANE 748-5038
237 SHELTON WM E 481-1927+4
239 CHECKAL BERNARD L 747-2991 1
241 REBMAN ANTHONY P 748-1419 0
243 GRIFFIN JAS L 748-7156 3
245 THAYER ROBT N 748-0750 3
247 PAUL KATHERINE T 748-4652
249 TASSIO CINDY 748-7248
TASSIO PETER 748-7248
253 JOHNSON STEPHEN C 748-6860 0
255 ROBBINS WM K 748-6695 1
257 KOONS RONALD K 748-8239
300 XXXX 00
301 LEVINE SAHL M 748-7085
303 NUTTER LAWRENCE G 747-0801 1
305 XXXX 00
309 NAGELA JOYCE E 747-8050 3
311 SMITH C M 748-1972
313 BLACKFUL KAREN L 748-2857
315 MUSSO RICHARD 748-7529+4
317 KELLY JOHN F 748-3373
319 MOSTETER THOS I 747-1552
321 ZIPPERT IRVING 748-2458
322 EQUIHUA M N 748-2771
323 CONELY CHAS E 481-5271+4
DUNAND ROBT L 748-4185
324 EHLMAN JOHN R 747-8339 1
325 GREENHALGH EDW K 748-6368
327 ORLOFF WM J 748-2424
329 STELTER VERNON F 748-2920
330 SELF DAVID B 748-2460
331 MCHUGH JACK 747-8452 3
332 HARDER DANL W 748-7824 3
333 MULLIGAN D 748-9022 9
334 SWAFFORD ROBT L 748-0023 3
335 JOHNSON RUDY 748-4751
336 MOSNER LAWRENCE J 747-3744 0
337 HURCKES ROBT 748-6031 9
338 YOUNG HENRY J 748-4633
339 XXXX 00
340 LAPPLE GEO R 747-1140
341 STULGES JOHN R 748-1738
342 AMES ROBT F 747-9378 9
343 MALLOY M E 747-0754
344 SCHOENWALD JOHN 748-2104+4
345 SINS JERRY E 747-4686 3
346 PRESTON A M 481-5674+4
347 XXXX 00
349 XXXX 00
351 DIXON BRUCE 747-1336 3
353 WATSON JOHN P 748-7177
355 MOONEY WM F 748-2064
360 XXXX 00
362 CONNOR HANISTER 748-3486 9
364 DIERDOEFF CURTIS L 748-6144 3
366 WEBB G DWIGHT 748-1461 0
368 LAUGHLAND JERRY 748-5642+4
370 XXXX 00
372 CORDER HARVIN L 747-0725 3
373 CANNON JAS 747-5648+4
375*RUUDYS MKT 748-5010 9
376 SCHOENWALD J J 748-3089
378 REED ALVIN J 748-4038
380 VASEY CLYDE R 748-2270+4

SAUK TRAIL 60466 CONT..
382 MCCEE JAS 481-5496 3
386*SAUK TRAIL 76 SERV 748-5644 1
388 ROBERTS JOHN W JR 748-6934
401*LAKES MARATHON SV 748-9613
402 XXXX 00
404 CARTY DAVID P 748-1286
406 WANGERIN PAUL W 747-8397 1
408 BULL RAYMOND L 748-2420
425*7 ELEVEN FOOD STORE747-5513+4
NO #BABBITT HARRY E 748-1859 1
NO #CHURCH HOLY FAMILY 748-1000+4
NO #REVELLER THE 748-1510 1
NO #RICH TOWNSHIP HI SC748-5800
NO #RUFFIE ROBT G REV 748-1110
NO #W R H S RADIO STA 747-0963+4
* 10 BUS 161 RES 27 NEW

SAUK TRL 60471 RICHTON PARK

3601*PARKER CAR RENTAL 748-5100 1
*PARKER RENTALS 747-1426 3
*RYDER TRUCK RENTAL 747-1426 0
3635*BLOCK HGR INC 748-0868 3
3637*CUSTOM CRPTGINTRODS748-0111+4
*ESTATE CLNRS 748-8607+4
3639*JORDAN MARY L 748-8122
3641*GAMESCONES 481-1090+4
3643*COLEMAN R BEASSOCS 748-5550+4
*COLEMAN ROBT B 748-5590+4
3650*KRAPIL THE GRT STK 747-0842+4
3660 XXXX 00
3699*CHANDLER CONST CO 747-1441
*CHANDLER WM 747-1441
*CROWNING 8TY SALON 748-2290 3
*CROWNING TCH BYT SLN748-3000+4
*EUROPE AM INVSTMTS 748-5500 1
*FELD DENNIS 747-1322 1
*INSURANCE AGCT748-3501
*SCHMIDT WERNER K MD748-1360
*SCHROEDER ASSOC 748-5364+4
*SOELLNER ROBT A 748-5004
*TOWNECOUNTRY REALTY748-1000
3700 XXXX 00
3701*CANDELIGHT COIFFEUR747-4300
3702 XXXX 00
3703*HANSEN JIM M 747-1770
3705*RICHTON PK CLNRS 748-2090
3707*TOP REALTORS 748-4211+4
3710*CLOTHES MART 481-1717+4
3717*GIRCUIT TELEVISION 748-9355
*THORN CREEK REALTY 748-6451
3719*FAMILY PARKS BARBR SH748-4080
3720*TWAIN PRIDE CLNRS 748-9792+4
3721*TRUMPHS MEAT EMPRMT747-2529
*YOUNGS AUTO SUPPLY 747-4950 3
3723*CLARCO BUSINESS SV 748-7022 9
*CLARYS BUSINESS CTR747-1777
3751 XXXX 00
3764*RICHTON TV SERV6SL748-1555
3766*LURU PROFESSIONAL BLOT748-2600
*VISTAINS NEWS AGCV 748-1020
3770*ORR WM G DR 748-6655
*PARK ANIMAL HOSP 748-6655
*SOPIARX RICHARD L 748-6655 0
3775 XXXX 00
3812 KLAWITTER EDW 748-2484
3818 GLAESER FRED W 748-5284
3850 MORRIS JAS H JR 481-9470+4
PAUL HERBERT MD 481-1234 3
*TERESE RUSSELL DDS 748-8181
3897*RICHTN PK MINI CLNR481-9625+4
*RICHTN PK PLZA CLNR747-0508 3
3901*SAGERMAN ARTHUR DOST748-7090
3904*FARMERS INSRNC GRP 748-1650 1
*INST APPLD HYPNOSTIS747-4488 0
LOUMBAS JOHN A 748-1650+4
3904*HEATHINGHEATHER LTD 748-7800
3905*VILLA ROSA RESTEPZ748-4161+4
*VILLA ROSA RSTRNT 748-9648 3
3907*ARQUILLA GEO CO 748-4541 3
*DOOVER CORP OPW DIV 748-1254+4
*PALMBLAD R J CONSTR748-0029 3
3908 XXXX 00
3909*HISCHERS SAMPLE SHPT748-4545+4
3911*BEE MEET COIN LNDRM748-2959 0
*HANSON CROUCH SERV 747-0441 3
*HOLLENBERG R C 748-2959 1
3912*FREEMES INN 748-5040
3913*BUILDERS CARPET INCT748-1444+4
3917*US POST OFFICES 748-1688
3919*FALLICK STUART S 748-3156 3
*SIFT SERV INC 748-4434
*INTERST SMLTNG6REFN748-3156 1
*STATE FARM INS CO 748-0585
*TANDER CARSON 748-0588
3921*CEDAR SLN DE COIFUR748-2525
3923*ACCURATE ELECTRONCS747-0966+4
3925*DEB LIORSETAP 748-1300
DAIDONE A 748-1300
*RIB HOT LOUNGE 748-1269+4
*RIB HUT THE 748-1300 3
3933 XXXX 00
3941*CAMPUS BARBER SHOP 747-9530+4
4145*RICHTON PK VLG HALL748-1288 3
4200 OLIVIERI DONALD H 747-8300 3
4309 CAMPBELL CECIL F 748-4443
4311 HEINZEN EDW J 748-5182 1
KEE THOS R 481-3431+4
4339 KUCHYAK VINCENT 748-4778
4343 NIKELS ALLEN R 747-3344 0
4411*SAUK TRAIL BPT TMPL481-1470 3
NO #A&P FOOD STORES 748-9777
NO #CONTRACTG&CONSULTNG747-0648+4
NO #FREEN ALBERT T 748-6305
NO #HEINEMANN BAKERIES747-0708+4
NO #HOWARDS STANDARD SV748-3211
NO #NATIONAL SUPER MKTS758-9878+4
NO #RICHTON SERV 481-9797 3
* 79 BUS 21 RES 25 NEW

SAUK TRAIL E 60411 CHICAGO HTS

201 HAMMOND SOLLIE E 755-8138
LANCASTER GEO E 755-7263+4
210*EEF ENGINEERING 754-7899 3
BEDNAREK BEN 754-4252 3
235 PEACH MARIE 754-4957
320 JOREN WM 754-0366
330 SCHUTZ JAS 754-5437
439 MYERS WM E 755-0436 1
340 CONTRERAS ANADOR 756-7594
635 XXXX 00
720*ACORN CHEMICAL INC 754-6622 0
COOK KENNETH S 754-8366
735 JAMROWSKI JOS F 754-8028
985 KLEIN LEONARD F 754-8956
1012 XXXX 00
1040 ISHERWOOD BENJ JR 755-1956
1050 XXXX 00
1112 XXXX 00
1124 XXXX 00
1136 TESKE RODGER 754-4025
1148 HAAKSWA JOHN 755-2473
1210 O'BANION CHAS 755-1266
O'BANION ROBT 755-4666 9
1220 DANGOIA PAT 755-4657
1230 KISLING L FINOLEZ 758-3978 9
1245 SCHALLER ANTHONY 755-4956
1429 PALMER MADE G 754-4316 0

ZIP CODE 60411 SAUK VILLAGE

1680*JOE SHELL SERV STA758-9778
*U HAUL CO 758-9778
1690 SOSNOWSKI MARION 758-2538
1705*JIMS AUTO REPR 754-5144
1706 XXXX 00
1715*MUSTARD&CUSTRO STD758-6040+4
1717*BOONIES FOODCLTRS 758-2193
*LOUS POLY CLEAN 758-9786
1722 XXXX 00
1771*BOB O LINK LOUNGE 758-1380 0
1775*RALPHS CIGD SV CTR758-9732+4
1780 ULSHAVSKY EDW 758-2223+4
1802 XXXX 00
1804 LORCH OTTO 758-9374
1806 MARZYK TED J 758-9477
1812 BRISON VIRGIL 758-3971
1814 MAYTON CARL F 758-4812
1815 SCHWANKE RICHARD G 757-5596 3
1816 DEQUILLO CHAS 758-4838 0
1919 MCCARTHY DANL J 758-4829 3
1920 ODVICH JOS D 758-1852
1922 REEKS DONALD J 758-1649 3
1924 HOM JAS 758-1959
1928 SPIELER THEO T 758-4661
1929 ANDOLINA ANTHONY 758-4068
1932 KRUEGER EARL H 758-3763 3
1933 FORD JOHN H 758-2396
1934 WHITKINSON CHESTER 758-1676
1936 BRITON CLINTON C 758-1536
1909*TEOLIS REALTY 758-2220 3
1917 GAWAYS RONALD R 758-2957+4
1925 GRZESKOWIAK MARTIN 758-4668+4
1929 BLIZINIAK EDW A 758-3922+4
2029 BENDON RICHARD J 758-4758 3
2035 STEPP LEE 757-7712 1
2041*DOOLEYS CAB SERV 757-7656 3
*INSTANT TOWING CO 758-2694+4
2053 HALE FRANKLIN D 758-4228
2059 GIBSON ELLIS JR 758-3087
2105 KOGSAK JOHN P 758-4901 0
2117 JENKINS LESLIE 757-5212 0
2141 OGDONNELL DAVID P 758-1303 3
2142 XXXX 00
2147 PHILLIPS JOS J 758-2783+4
2160 THORNHILL MASIE 758-3014
THORNHILL TRAVIS D 758-3014
2203 RAINS RUSSELL 758-1440 3
2218 XXXX 00
2242 ANDERHUB BERT 758-2907
2244 POOL JESSE G 758-3998
2246 JARVIS EARL 758-4033
2400 LYNCH WALTER 758-4248
2404 BILLINGSLEY HOMER L758-3937
2406 WRIGHT LARRY W 758-4647+4
2408*DOONEMERLES TRPLC HT758-4950 3
2430*HILL MIGRANT COUNCIL758-5800 3
*RE JOY BEAUTY SALON758-3320+4
2440 XXXX 00
2450*HOMESTEAD REALTY 758-6800 3
*SOUTH TYN OFC MACH 758-2500
2480 MATTERA ANTHONY DO 758-4800
OKANOTO TADASHI DDST58-1354
2500*CAST IN PLACE INC 758-1160 1
*SAUK PROPERTIES INC758-1300 1
*SAUK VILLAGER 758-4080+4
*STEEGER VILLAGER 758-4080+4
*TALANDIS CONST CORP758-1300
2508*HOFFMAN RICK REALTY758-2050
*PIMA REALTY INVTST758-2050 0
*RICK HOFFMAN REALTY758-2050
2510*VILLAGE RESTANT 758-9630 9
2520*WESTERN REFRAGT SLST58-9658
2550*ODG N SUDS SAUK VLG758-6633+4
2551 KALVELAGE WM H 758-4480
2590*KELLYS ARCO 758-3999+4
2730 KALVELAGE OTTO F 758-2847
2911*ROSELAND MOOSE LOD 758-3575+4
2920 ROY ROBT C 757-7589 3
3001 XXXX 00
3330 WERDERICH RUODLPH 758-1830
3336 WEEGERIF KENNETH H 758-2304 9
3437 XXXX 00
3440 SING M C 758-4435
3441 PETERS HATTIE 758-4486 0
3500 JUNG ERNEST 758-1989
3520 XXXX 00

622 DONOVAN JEREMIAH J 481-4494
623 ESTRADA RALEIGH 481-4255
635 MILLER GEO E 481-5581
637 COLLINS FRANCIS J 481-4563
643 BALKLEY CLIDE W 481-3853
647 PADDEN L F 481-8768
680 CLAY DRVILLE 481-4942
651 SVUDODN LILLAN J 481-3794
* 0 BUS 22 RES

SARATOGA TWP 60447 MINOOKA

ND # BURGESS HENRY 462-5287
ND # COOP HAROLD 462-0548
ND # SMITH HENRY A 462-0542
ND # TRAIT EARL J 462-0727
* 0 BUS 4 RES

SARIC DR 46322 HIGHLAND

P.O. ADDRESS HAMMOND, IND.

9308 MCCLELLAN WESLEY 923-2029
9315 STANLEY MYRL E 923-0849
9316 MASSEY HAROLD D 923-6434
9318 GREGORY LEON G 923-0798
9319 DOMINGUEZ ANTONIO 923-8685
9320 MARLATT RICHARD H 923-0825
9324 GOLDEN HUSTON C 923-0850
9330 KACON DONALD C 923-0899
9331 GARRON 923-0844
9335 EBERLE FRANCIS 923-4759
9336 WALTERS NORMAN 923-0825
9339 BROWN DONALD 923-0190
9340 PARIN CARL A 923-6770
9343 CLARK GEO A 923-3855
9344 CLARK JOSEPHINE 923-3855
9345 DUTRIDGE JOE R 923-1674
9347 ERB WM 923-5555
9348 NATHAN J D 923-3793
9349 OSBORNE DARMA L 923-5523
9350 SCHAFER 923-5523
9351 PARSON JAS E 923-6138
9405 JAC LIN CO SPRT SHW 923-6226
9406 CLISE KENNETH D 923-1165
9408 ADAMS GERALD 923-6892
9409 GASAWAY ROBT D 923-3214
9410 ESPARZA JULIAN 923-3505
9411 SUDAN DAVID R 923-3505
9414 FROMAN RONALD D 923-3939
9417 ZABART ROBT 923-6996
9418 TAYLOR MAUR 923-3937
9419 WALSH CHAS JR 923-3937
9421 HAYNES CARLTON 923-3215
9422 BOW DONALD D 923-1197
9423 OENWEGE GEO E 3D 923-1165
9425 SCHREIBER DELORIES 923-4733
9426 STROM DONALD R 923-3261
9414 INGERMAN MARVIN E 923-6184
9427 COLEMAN WM 923-7180
9428 HARRIS GENE 923-7836
9429 DOUGHERTY A 923-3583
9430 STODER ELYN E 923-6033
9432 COLIDGE ROBT E 923-2284
9433 GRAY KENNETH T 923-2938
* 1 BUS 42 RES

SATELLITE DR 60435 JOLIET

2402 STASELL JAS M 430-8474
2404 VANTILBURG TERRY D 430-8004
2407 ANTHELM WM 430-8201
2408 PATRIN HAROLD 430-8761
2409 MUDRON RAYMOND J 430-2436
2410 SLADOMSKI E C 430-8184
2412 SLIGHTON DONALD M 430-3320
2414 FOX RONALD G 430-2414
2415 RICKSON DONALD W 430-6565
2416 DURK THOMAS 430-3361
2417 LOEFFLER RAYMOND JR 430-5707
2418 VOGU JAS L 430-2259
2419 FORD GARY M 430-5287
2420 SIENKO RICHARD A 430-8457
2421 FARQUHAR ROBT D 430-8788
2422 MILLER ROY L 430-2895
* 0 BUS 16 RES

SAUGANASH 60466 PARK FOREST

300 LAMBIRD GEO A 748-1748
302 WYNNIE MARCARET 748-1748
303 DELLORTO FRANK 747-1392
305 CASSIDY W A 747-2054
307 SCHLOTT CHAS W 748-3780
308 BARGER 748-0980
309 KIRK LEO D 748-3967
310 BURT EDWIN R 748-6299
311 TROIS 748-8116
312 SKORCH CHAS 748-0980
314 MALEY PAUL B 747-0169
315 PEDERSEN HARRY W JR 748-1312
317 KLASER RICHARD E 748-0361
318 WALTERS PAUL L 748-6536
319 SMITH ALVIN 748-3704
320 MORRIS TICO 748-8811
321 HAYLICK THEO 748-2935
323 GREEN DONALD C 748-5415
324 PIGGUSH KENNETH J 747-0889
* 0 BUS 19 RES

SAUGATUCK 60466 PARK FOREST

450 STRICK JEROME M 748-1966
451 BERRIG 748-1966
452 BERNOT CARL S 748-3335
453 MAGRUDER ALLEN 748-0600
* 0 BUS 4 RES

SAUK CT 60466 PARK FOREST

1 SAWERTY HAROLD E 748-4241
2 KELLY KENNETH M 747-8196
3 FATE WM 748-8197
4 RIBBONS RALPH JR 748-2565
5 HALL VICTOR E 748-3794
6 KAHNHAUSER ADELBERT 748-4530
7 FARBENT LINDA 748-2141
8 DIFFENDER CHAS J 748-2141
9 MYERS DON R 747-2878
10 LANDSCHEID ALAN R 747-8042
11 MEYER RUSSELL J 747-0582
12 SLATER MURRY W 747-2207
14 VIDRA EDW 748-0392
* 0 BUS 13 RES

SAUK PLAZA 60411 CHICAGO HGTS

35SAUK DRUG 758-2300
35BEN FRANKLIN STORE 758-2766
35SAUK P. TIGARPC 758-2766
35SAUK BARGER SHOP 758-2394
115SAUK VIL CLNRS 758-3664
* 5 BUS 0 RES

SAUK TRAIL 60423 FRANKFORT

ND #BATSUN EUGENE 469-8162
ND #CAMP MANITOQUA 469-0471
ND #CORP RALPH L 469-0471
ND #DET CONST 469-8242
ND #DEPORTO WESLEY 469-8668
ND #FRANKFORT METH CH 469-5249
ND #HELLRIGEL KENNETH 469-5249

ND # KENT ROBT W 469-5588
ND #KEPLER CHAS REV 469-5249
ND #LANE WALTER 469-5578
ND #LOGAN JAS 469-5225
ND #MARTIN BRUCE N 469-5225
ND #MARTI EZRA 469-2494
ND #SCHWISLED CLYDE H 469-5648
ND #SCHWISLED CLYDE H 469-5648
ND #TEVES LLOYD 469-5242
ND #TEVES MARIE 469-5700
ND #ZORTMAN GENE 469-2293
* 5 BUS 13 RES

SAUK TRAIL 60466 PARK FOREST

2 TIERNAN JAS S 748-2902
3 CAMPBELL LILLIAN I 748-1864
8 THOMPSON CHAS G 748-3097
10 MANDY RICHARD A 748-5547
13 CHARLAND BERNARD 748-1430
14 KOPKE DANL 748-1215
15 LACEY ROBT W 748-2927
17 BENNETT HILDA 748-1766
20 TAMMERTON HAROLD E 748-3037
22 VANETTEN FRANK MRS 748-3037
22 DAVIS WILLIE L 748-2990
23 KELER 748-1370
25 KESLER MYRTLE MRS 748-2990
26 NESCHA EDV A 748-2332
28 ROBERTS RAYMOND 748-1049
28 ROBERTS RAYMOND 748-1049
30 MART CHRISTER J 748-0888
32 KRAUBE ROLAND A 748-9313
33 BOHNDY TOM K JR 748-6823
34 TUTTLE MARTIN R 748-5768
36 VAUGHAN WALTER K 748-5312
37 LACEY ROBT W 748-2927
38 BERRESFORD ROBT G 748-0943
39 BAILES STUART C 748-0830
40 BAILES STUART C 748-0830
40 DITENBERG FRANK 748-0830
41 MARTIN RICHARD V 748-3017
42 FISHER DOUGLAS F 747-4816
43 SCHWISLED CLYDE H 748-5648
45 MURDOCH DONALD 748-7275
47 HARRIS KENNETH L 748-0091
60 SNYDER WALLACE R 748-6804
61 SNYDER WALLACE R 748-6804
62 MARIENTHAL FREDERICK 748-1371
54 DECKER ROBT L 748-0463
54 KLEIN RECKY 748-0463
55 SELBY EDW W 748-0463
55 ADDISON CARL 748-0463
56 EPHRON MORRIS 748-5538
57 O'NEILL EDW W 748-5538
58 DERRICK FRANK 747-1600
59 HOUSE WALTER R 748-1021
61 MCCLELLAN KENNETH 748-0189
62 GENTON W 748-0189
63 HEAD HOWARD H 748-5017
65 LANE CLARE 748-5639
67 LANE GARY F 748-5639
102 RENZI ROBT 748-5639
104 JARACZ EDMUND A 747-3286
106 TURNBULL WM 747-0912
108 TOLBIN CHAS H 747-0912
109 STANLEY ELBERT V 748-7473
110 JOHNS BRICE E 748-3789
111 HOLMES THOS J 748-6921
112 SCHENCK 747-6921
113 JOYCE LESLIE J 747-2441
116 BOATWRIGHT GLADYS 747-4626
117 WILLIAMS WM 748-5027
118 MASTROTTI ANN B 748-5173
119 ADAMS MAX 748-4908
120 ROBERTSON L 748-3171
121 TROTTMAN RICHARD 748-1844
123 BOWIN HUGH W 747-1049
124 RHODES V C 748-4342
125 WATERSBERG HELEN F 748-4342
126 MAYBERRY HERBERT C 747-2555
127 DUNLAP MYRTLE M 748-4342
128 RAYNOR ARTHUR 747-0146
133 PADGETT ROBT 747-3979
135 MACDONALD ROBT 747-3979
137 LLOYD A H 747-5566
139 GATLANCO PASQUALE 748-4219
144 WOLFF FRANCIS A 748-6902
144 CHATFIELD CHAS A 747-3205
201 GIMONEXTER E 748-2458
203 FRANK EDMUND SR 748-7490
205 KAUZLARICH JULIUS 748-2350
207 CARLSON EDMUND E 748-1468
209 CARLSON MARCIA 748-1468
209 VERGLER ART W 748-0822
211 BAKER IVAN B SR 748-3136
212 HURCKES 748-1827
217 FOSTER ROBT W 748-1827
219 SIMPSON CHAS K 748-3286
220 KENT HERBERT 747-1434
225 CARL WILSON SERV 748-0822
233 DENTON RICHARD L JR 748-1667
235 EMERY S LANE 748-8038
237 FOSTER GARY 748-0822
239 CANON M D 747-2690
241 HORNCHLER B E 748-1419
242 NORMAN RUSSELL 748-1551
243 THAYER RICHARD 748-0780
247 PAUL KATHERINE T 748-4652
249 TASSIO CINDY 748-7248
250 TASSIO PETER 747-7215
251 PATALON CHAS E 747-2570
253 MEADER DELANO V 748-6540
257 COONS RONALD D 748-6540
301 LEVINE CAMERON 748-7020
301 LEVINE SAM L 748-7088
303 ALAN 748-2662
305 GREENHALGH EDW K 748-2662
307 DONALD ROBT 747-2457
309 RIGNALL RICHARD H 747-1611
311 SMITH C M 748-1972
313 BLACKFUL KAREN L 748-2885
317 KELLY JOHN F 748-3373
319 MOSTETER THOS I 747-1582
321 ZIPPERT IRVING 748-2458
322 EOHUHA M M 748-2771
323 DUNAND ROBT L 748-1185
324 FISHER NORMAN D 747-0792
325 GREENHALGH EDW K 748-2662
327 ORLOFF WM J 748-2424
329 STELTER VERNON F 748-2920
330 STELTER VERNON F 748-2920
332 KEMPTON WALTER R JR 747-8289
332 HORTON LELAND W 748-6833
334 BENSON JOHN LT COL 748-1943
335 JOHNSON RUDY 748-1943
336 BOWCUTT ALVIN A 748-3615
337 AMANN FRED W 748-1943
338 YOUNG HENRY J 748-6833
340 LAITPL GED R 747-1400
341 STULGES JOHN R 748-1738
343 LALLOY M E 747-0753
344 BIRBE ALFRED E 748-1738
345 BROWN MICHAEL P A 748-7660
346 CALLAWAY MINOR E 748-4662
347 DONOVAN WM E 747-8220
349 WICKHAM GUYV G 748-3335
351 EDWARDS JOE A 747-2208
353 WATSON JOHN P 748-7177
356 MOONEY WM F 748-8064
360 EDWARDS GED C 748-8064
362 MCKENSON HAYWARD C 748-8136
364 WHITMAN LEONARD W 748-5060
365 RICE JOHN S 748-5060
368 DAVIS GILBERT P 748-4029
370 SMART HERBERT 748-3618
372 FOSTER BURTON C 747-3582
374 REED CHAS A 748-4038
376 SCHODENWALD J J 748-3089
378 REED ALVIN J 748-4038
380 VASEY CLYDE R 748-2270
382 ODEA MARY E 747-0549

SAUK TR 60423 RICHTON PARK

P.O. ADDRESS FRANKFORT, ILL.

ND # BOHLMAN HENRY 748-8056
ND # COY ELHANAN D 748-8104
ND # CARZ ELGT COIF 748-2048
ND # DAMNAN RAYMOND 748-4334
ND # DEBERG GEO A 748-0399
ND # DUBRIDGE MINNIE 748-4475
ND # HATTENDORF VERNON 748-0057
* 0 BUS 7 RES

SAUK TR 60443 RICHTON PARK

P.O. ADDRESS MATTHESON, ILL.

ND #INAMMAL EVNG LUTH BC747-1135
ND # MARGUARDT LAWRENCE 748-8663
ND # STUBENK LOUIS F 748-8994
* 1 BUS 2 RES

SAUK TR 60471 RICHTON PARK

3601*NAITL CAR RNTL SYSTM748-1426

*NATL CAR RNTL SYSTM748-1426
*PARKS REAL E 748-426
3637*AEATNA DATA PRCSNG 747-3001
*RITAB PIZZA 748-8484
3639 *RITAB PIZZA 748-8484
*RITAB PIZZA 748-8484
3650*ROSS DRIVE IN 747-2020
*PARN PIZZA 747-4466
*PARN PIZZA 747-4466
3699 ALFRED POST 748-5500
*CHANDLER CONST CO 747-1441
*CHANDLER WM 747-1441
*CHANDLER WM 747-1441
*HURRY INSURANCE AGCT748-0501
*KITCHEN KRAFT MSTRS747-1441
*HANCHUTIN 748-0787
*NOBLE ROBT JR 747-0070
*SCHMIDT WERNER K MD748-1360
*SHELLEN ROBT A 748-8004
*TOMMY'S RESTAURANTS748-8004
*TOWNSCOUNTRY REALTY748-1000
*TULSA OF OKLA GAS 747-2290
3701*WALSH RAY CHURCH748-4370
3703*HANSEN HINGEIR CND747-1770
*HANSEN JIM M 747-1770
3705*WRIGHT PK CLNRS 748-2090
3707*WRIGHT PK CLNRS 748-2090
*TOP REALTY INC 748-4211
3717*CIARCUT REVISION 748-8558
*CIARCUT REVISION 748-8558
3719*TWIN PARKS BARBER SH748-0080
3721*KUSTOM MUSIC CNTRS 748-3353
*MODERN MUSIC STUDIOS748-3353
*MODERN MUSIC STUDIOS748-3353
3723*CLARYS BUSINESS CTR747-1777
3751*SIGNS BY GIRDUX 747-2089
3757*SIGNS BY GIRDUX 747-2089
3764*RICHTON V SERV748-8122
3766*LUPI PROFESSIONAL BLD748-2600
*VISTAINS NEWS AGCY 748-1020
3770*WALSH RAY CHURCH748-4370
*ORR WM D DR 748-6655
*PARK ANIMAL HOSP 748-6655
3816 *KLANITZER 748-2484
3818 *KLANITZER 748-2484
3850*KIRITTIM WM PHD 748-6511
*TERESE RUSSELL DDS 748-8181
*VANDERBILT 748-8181
*VETS ADIN CMSG DR748-581
3897*MINI CLEAN 2 748-9669
3901*SAGERMAN ARTHUR DDS748-7090
3903*MINI CLEAN 2 748-9669
*HEALY DUDLEY J 748-8122
*HEMINGWAY EMMA JEANT748-8122
*RICHTON CIVIL DEF 748-8122
*RICHTON CIVIL DEF 748-8122
*RICHTON CIVIL DEF 748-8122
*RICHTON CIVIL DEF 748-8122
*RICHTON CIVIL DEF 748-8122
3904*MAURER H A ACASSTOS 748-9101
*MAURER HARRY A 748-9101
*MAURER HARRY A 748-9101
*HEARTHEATHER LTD 748-7600
3905*VILLA PIZZARESTRNT748-4161
*VILLA PIZZARESTRNT748-4161
3907*VILLA PIZZARESTRNT748-4161
*COLEMAN ROBT B 748-5550
3908 SNEED VERONICA 748-5410
3909 SNEED VERONICA 748-5410
3911*BEE NEED COIN LNDRY748-3880
*HORSFALL VICTOR D 748-2999
3912*FRECHS INN 748-5040
3913*HARRIS PARK PHAR 748-5040
3917*US POST OFFICES 748-1688
3919*GIFT SERVS INC 748-3434
*STATE FARM INS CO 748-5585
*VILLAGE OF CHGO BLS 748-5585
*ZANDER CARSON 748-0585
3921*CEDAR BLN DE COIFUR748-2528
3925*WEDS 12660CTAP 748-1657
DAIDONE A E 748-3000
3927*SANDS PAINTCHDW 748-2200
4100*RICHTON PK ALG POL 748-8131
4339 KUCHYAK VINCENT 748-6667
4315 FITZGERALD EDW 748-6667
4331 HEINZ EDW J 748-5182
4343 KARY EUGENE E DR 748-4778
ND # FREEM ALBERT T 748-6305
ND # HARRIS BILL 747-0784
ND #HARRIS STANDARD SV748-3211
* 77 BUS 19 RES

SAUK TR 60411 CHICAGO HGTS

11*SAUK CAR WASH 758-9600
13 TRINCHINI ANN 758-0637
23 CUBER A 758-4266
CUBER A 758-4266
28*JACOBS AWNINGWINDW754-1771
29 CONNER GARY J 754-0082
GRIS J 754-0082
30*CHERCH DIL CO 758-9835
33 DENNIS MARVEL L 758-6599
34 DENNIS MARVEL L 754-9731
*HODGSON CONCRETE SV 758-6599
39 BUCKNESS JOHN 758-2576
*JOHNS RINE FOOD 758-2576
42 STASKO LEO 754-1361
43 BURGHART HARRY 758-2046
4 ONEAL BYRON J 758-7103
57 WALKER LENA B 754-3130
101 SANTUCI PETER 758-2227
104*ULINE LAWN EGPMT 758-2227
105 MITCHORSKI FRANK 754-6309
109 FRENCH BEA 758-2188
125 PEASE WARREN 758-0616
127 SHERING LOUIS 758-7726
128 RAINES HAROLD 758-7726
130 PETERSON DONALD L 754-3546
131 KACZMAREK IDA 758-0616
134 GIBBS RAYMOND 754-3337
135*PRAXMARER PLASTERNG754-2598
140 HOOK MARK 754-1640
142 COSENZA BERTHA 754-0718
143 MONGILLO TONY 758-0569
144 LANGHORST ALVENA 758-0569
171 FUSHI JOHN 758-4419
151 BARWIG ROBT J 754-0689
155 ROE LESTER 758-4484
160*W M SUOS KEYS 758-6948
164*JOHNSON GORDON INC 754-0689
166*MEAL MART INC 754-0689
168*MOYERS MLPR LNDMRY 758-0798
170*W M SUOS KEYS 758-6948
172*BRUNT SCHULTZ DRUG 754-0211
176*HOLIDAY CLNRS 758-5545
177*CHG HTS EMP SERV 758-7300
180*CHG HTS EMP SERV 758-7300
215 DIGULIO ALFONSO 758-1219
219 TRAISE CLOYE T 754-1219
222 DANIELS ROBT K 754-2931
225 MCCARTHY WM D 754-1640
229 CALARONE HUGO 754-4163
233 KLYCZEK ROBT 758-3116
237 GUZZINI ANTHONY 754-7237
245 ROSSSETTI JOSEPHINE 758-0700
253 TAMASAITIS JUOZAS 758-0390
258 MARFORREST W 754-2645
261 CORTIZ MORIS 758-0668
265 PAGORIA FRANK P 758-0668
268 SPINODZI ANTHONY 754-5384
273 COOPER RALPH 758-8867
277 METZGER 758-8867
281 MCGOVERN WM J 758-0782
284 COOPER CALVIN 758-4393
287 TORRES JULIO SR 758-4393
291 KOWALCZYK ED 754-7205
ND #SAUK TR DRV IN THTR74-2505
ND #TEMPLE BAPT CH 754-1357
* 19 BUS 46 RES

SAUK TRAIL E 60411 CHICAGO HGTS

201 HAMMOND SOLLIE E 755-8138
235 PEACH MARIE 754-0957
320 JOREN WM 754-0366
330 SCHUTZ JAS 754-5437
430 JAMES WENLEY 758-5024
439 KLOSS LEROY A 758-5024
540 CONTRERAS AMADOR 758-7504
720 COOK KENNETH S 754-8366
735 JANDROW KIOS F 758-7504
980 TATGE LEONARD F 754-4956
985 KLIN LEONARD F 754-4956
1040 ISHERWOOD BENJ JR 758-5267
1050 ROY ARCHIE 754-5148
1112 SCHUTZ JAS 758-2676
1122 SCHUTZ JAS 758-2676
1136 TESKE RODGER 754-5148
1148 HAKSMA JOHN 755-2473
1210 DBANION CHAS 755-1266
DBANION CHAS 755-1266
DBANION CHAS 755-2609
1220 DANCOTA PAT 755-9487
1425 MILLER HOWARD 755-9487
ND #AFL FOOD STORES 748-9777
ND #AGUILAR PEDRO 758-2887
ND #BABBITT HARRY E 748-1539

274 Hall R W P18-2050
275 Grandoff H J 748-1520
276 McVurtry P R P18-3792
277 Beshansky A 747-1637
278 Williams L O P18-5552
279 Cunningham B G P18-7214
280 Buchan J E P18-5627
281 O'Toole P B P18-1174
282 Jackson D 748-5257
283 Myers R P P18-3157
284 Kattson L C P18-1837
285 Vogt J P18-1868
287 Silvertorn E H 749-4606

RICHTON RD (MATTESON)

21613 Braun R P18-0806
21622 Burch W P18-2200
21626 Koelling A P18-7909
21636 King T H P18-0578
21640 Gavenda J 748-2011
21650 Duff J P18-8338
21702 Metzger W Jr P18-8501
21706 Dettmering A P18-0742
21817 Ehrhardt A Jr P18-2804
21821 Koehner P P18-7169
21829 Mische K W 748-1108
21829 Lassater A E P18-3481
21829 Laidwein D J P18-9551
21829 Butler R D P18-1275
21835 Turner R P18-2414
21835 Peterson E P18-1751

Listings Continued In

RICHTON RD (RICHTON PARK)

Reichert H P18-3684
Schlegel R P18-2984
Smith R L P18-1985
21968 Horney M W P18-5763
22036 Kocica W G P18-1554
22039 Gustafson G B P18-7470
22101 Hearn M A P18-4964
22104 Bruns R J P18-5411
22116 Schilling D J 747-0254
22121 Pierce H H Sr P18-3919
22122 Bruns A P18-2104
22138 Miller W P18-6634
22147 Grantham T D P18-1976
22202 Tremay L P18-7405
22427 Bluehosh F O P18-5545
22433 Peacock R E P18-6627
22439 Martynowicz H P18-1235
22507 Jones H L P18-2037
22513 Johnson H R P18-4079
22607 Opferman J P P18-1446

RICHTON SQ (RICHTON PARK)

*Richton Sq Elementary School 747-1660
22403 Burt H J P18-2948
22409 Harsening H 747-2169
22415 Slate A 747-0256
22421 Johnson E C P18-7401
22501 Caldwell W M P18-1635
22521 Satterford J 748-7288
22523 O'Brien J E 748-5425
22543 Patrick M W P18-1229
22603 Falby T P18-1990
22611 Nevin W C P18-3535
22627 Caine W A 748-1451
22633 Seipp E P18-2169
22637 Jeslorsky S L 747-2206
22639 Wollenhaupt H P18-4622
22645 Allins R B 748-0139
22703 Urbanski R E 748-9149
22711 Berryman W 748-0903
22739 Wilson W E 747-0732
22742 Leonard L P18-3459
22808 Elliott J B 748-4892
22815 Tanner H Capt 747-1146
22827 Groover R F 748-7107
22836 Myrump W R 747-2999
22839 Petersen R R 748-2977
22845 Johnson K M 748-0394

RIDGELAND AV (MATTESON)

Gersch E 748-6316
Marquardt E P18-0251
Marquardt E P18-8102
Marquardt A P18-0054
Stuenkel A H P18-9560
RURAL RTD. 1
Stages H 748-2637
Stanz L 748-2731

RIDGEWAY AV (RICHTON PARK)

Johnson C A P18-1855

Reese R S P18-5190
22001 Faries J H 748-2792
22011 Rylander W P18-6214
22015 Pufahl D P 747-1274
22021 Brel N R 747-3385
22035 Fink E H P18-6042
22039 Zeman H J P18-7479
22040 Karrera Irene P18-3143
22101 Friessner W P18-6481
22102 Perry B G P18-1823
22121 Corrigan J J P18-6055
22125 Glaeser E P18-6865
22129 Jacobson K E P18-6567
22131 Matthies L P18-5675
22139 Peterson R P18-7092
22315 Strom R A P18-2671
22319 Gerber D E 747-3573
22336 Reinhold G Sr P18-1862
22339 Ackermann H P18-3203
22345 Zamow R W P18-1959
22403 Burrows C F P18-1664
22404 Connell E L 748-9258
22407 Sagami Y P18-5173
22408 Crowell D C P18-4338
22411 Zamow C W P18-6535
22412 Lay W R 747-2644
22419 Kenney J P P18-6228
22420 Constant R P18-4428
22423 Willett G H P18-2447
22424 Bretz F J P18-1125
22427 Kathies W P18-3729
22428 Wagner D P18-6731
22430 Morrison L E P18-6777
22433 Callahan D E P18-6555
22437 Reinhold G L P18-3728
22438 Louise P P18-6542
22444 Harrigan J R P18-2863
22445 Simpson Zaida P18-7160
22447 Aldrich Olive P18-3337
22448 Clark K J P18-1633
22504 Blackman L O P18-2165
22508 Louise P P18-2328
22511 Brown W R 748-7532
22516 Conby V P18-3420
22524 French L M 747-1156
22527 Stevens N P18-4560
22532 MacAlpine D P18-1894
22535 Echnner L D P18-1138
22533 Labrene J P18-1450
22543 Williams A P18-4345
22603 Underwood M C P18-1478
22604 Ayers L R 747-3735
22607 Conner M 747-3357
22608 Basta M F P18-2291
22611 Stone B E 747-2696
22612 Williams E E 747-2304
22615 Kravchuk R A 747-3720
22616 Brownfield C P18-8960
22621 Bouchard D J 748-6085
22628 Braishaw V G 747-8695
22636 Mavrotsky R E 747-9528
22637 Okleshen O O P18-5562
22613 Wood L 748-2914
22644 Burbridge R T P18-4390
22647 Klein R W P18-2008
22648 Williams L H 748-5568
22703 Gott W 748-9564
22704 Yahn L G Jr 747-1389
22707 Barnieder M 747-2023
22708 Whitman A W 747-3426
22711 Bauch R 747-1449
22720 Spayer E J 748-3045
22721 Rose Audrey L 748-7058
22724 Davis J G 748-4299
22727 Eckert S W 747-8049
22728 VanderWall J 748-8672
22731 Benish G J 747-8544
22737 Lipsey T D 747-0685
22743 Blair J L Dr 747-3095
22747 Molloy M Jr 748-3870
22749 Kohr W K 748-6964

Listings Continued In

ROCKET CIR-W

2 Wilkes F R P18-7376
3 Wilcox J C P18-1297
4 Wanter O D P18-3172
5 Bolton C W 747-1340
6 Grover I A P18-7580
7 Willard R S P18-3191
8 Hutcheon G D P18-3876
9 Fornan L J P18-5244
10 Mabrey W P 748-3360
14 Clarke M J P18-2175
15 Ransford J G P18-1214
16 Laven Barbara 747-2656
16 Laven S P18-4417
18 Levine I P18-1182
19 Galateo F P18-3824
20 Walton R E P18-7322
21 Egoftake G E 748-3027
23 May R E 748-6233
24 Jordan W D 747-0902
25 Baker A R Jr P18-2926
26 Coulam D M 747-3714
27 Elkus W J P18-5715
28 Plotkin R P18-5464
29 Clare O H P18-1352
30 Hartman W F P18-6816
32 Bardi M W P18-4102
34 Raboy S P18-1406
38 Scariano A P18-7430

ROSLYN RD (OLYMPIA FIELDS)

993 Duggan R J P18-0201
1007 Krause S F P18-4223
1023 Porter A M P18-9227
1031 Swanson R W P18-0202

RUTLEDGE ST

401 Smith C M P18-9020
402 Faust R P 747-1275
403 McFarland M L P18-9472
404 Kaplan N P18-0582
405 Kason F H Maj 747-3363
406 Eddleman R E 748-8604
407 Brand R J P18-9554
408 Tesley R A P18-0361
409 Goan P Jr P18-0530
410 Klein D P18-0510
411 Stahl F P 747-3447
412 Harper D C P18-9450
413 Malolaky I P18-0859
414*Roseoff A W P18-3639
415 Floyd S P18-5251
416 Maxson F A P18-0542

ST LAWRENCE AV (MATTESON)

*St Lawrence O'Toole School 747-3322

SANDBURG ST

401 Kern T D P18-0924
402 Hartman E A P18-0917
403 Patterson M W P18-7998
404 Sacrae N A P18-5455
405 Andrews R S P18-0513
406 Kadlec E F 748-0445
408 Debus A G 747-3191
409 Cwoeney L J P18-3364
410 Froctor M P18-9169
411 Stelmiller M J P18-2639
412 Hoekins R H P18-7776
413 Kahn H P18-9134
414 Rogers C D Jr P18-8225
415 Barbour W P18-0754
416 Bates L J P18-9046
417 Wicklander R E P18-0365

SANGAMON CT

2 Foster P 747-2792
3 Madden J J P18-3601
4 Borchert D P 747-8623
5 Durant E C P18-3239
7 Gripp W L 747-8633
8 Stanton W R P18-6508
9 Rose H S 747-0044
10 Kleinman S M P18-4559
12 Johnson H K 748-3829
13 Green A E 747-1764

SANGAMON ST

238 Sunny J W 747-0960
240 Epstein Sherry P18-0815
240 Epstein M P18-1345
242 Stevens Ada P18-3521

33 Sweet H P18-6550
35 Murphy C T P18-1809
37 Zuehnow W H P18-3733

ROCKET CIR-W

244 Henry R 748-7931
246 Carter D L 748-1755
248 Koslow C P18-2267
250 Harper C Jr P18-4194
252 Aders C P18-5047
254 Callagher J P P18-6040
255 Willis J D Dr 748-8873
256 Ratay E J P18-6920
258 Ratay Cynthia P18-9102
259 Connor D W 748-3476
260 Hearn R J P18-1460
260 Dick J C P18-3944
261 Wright C E P18-1285
262 Lask O P18-3583
263 Goodenont J H P18-3409
264 Finch C R P18-3102
265 Placke L O P18-6763
266 Kimes R E 747-2005
268 Stotts C H P18-2553
270 Lewis S H P18-6254
271 Morgan C E P18-2331
272 Buchholz M E 747-2264
273 Cingerman M P18-2715
274 Shepherd C R 747-3874
275 Waller F 747-8154
301 Cioe D A 748-6916
302 Senenichuck R C P18-4501
303 Cieskin H L P18-7021
304 Rosendale M V P18-4272
305 Castillo P J P18-2683
306 Lukas A P18-1006
307 Gorski P T 747-8241
308 Potter T C P18-4293
309 Sheehan H A P18-5187
310 DiCarlo M W 747-3619
311 Kiley J F P18-2588
312 Tucker R S 747-0306
313 Metzger R H 748-9263
314 Vanket B A P18-1612
315 Cameron G E P18-4097
316 Carver J F 747-3470
317 Rodems R L P18-5576
319 Lloyd R E 747-3170
320 Branch R M P18-4660
321 Goodwin D O P18-5328
322 Feaker D 747-0516
325 Thule R J P18-6713
326 Ward R J P18-1760
327 Dorman C E P18-2897
328 Sweeney P E 748-0268

ROSLYN RD (OLYMPIA FIELDS)

993 Duggan R J P18-0201
1007 Krause S F P18-4223
1023 Porter A M P18-9227
1031 Swanson R W P18-0202

RUTLEDGE ST

401 Smith C M P18-9020
402 Faust R P 747-1275
403 McFarland M L P18-9472
404 Kaplan N P18-0582
405 Kason F H Maj 747-3363
406 Eddleman R E 748-8604
407 Brand R J P18-9554
408 Tesley R A P18-0361
409 Goan P Jr P18-0530
410 Klein D P18-0510
411 Stahl F P 747-3447
412 Harper D C P18-9450
413 Malolaky I P18-0859
414*Roseoff A W P18-3639
415 Floyd S P18-5251
416 Maxson F A P18-0542

ST LAWRENCE AV (MATTESON)

*St Lawrence O'Toole School 747-3322

SANDBURG ST

401 Kern T D P18-0924
402 Hartman E A P18-0917
403 Patterson M W P18-7998
404 Sacrae N A P18-5455
405 Andrews R S P18-0513
406 Kadlec E F 748-0445
408 Debus A G 747-3191
409 Cwoeney L J P18-3364
410 Froctor M P18-9169
411 Stelmiller M J P18-2639
412 Hoekins R H P18-7776
413 Kahn H P18-9134
414 Rogers C D Jr P18-8225
415 Barbour W P18-0754
416 Bates L J P18-9046
417 Wicklander R E P18-0365

SANGAMON CT

2 Foster P 747-2792
3 Madden J J P18-3601
4 Borchert D P 747-8623
5 Durant E C P18-3239
7 Gripp W L 747-8633
8 Stanton W R P18-6508
9 Rose H S 747-0044
10 Kleinman S M P18-4559
12 Johnson H K 748-3829
13 Green A E 747-1764

SANGAMON ST

238 Sunny J W 747-0960
240 Epstein Sherry P18-0815
240 Epstein M P18-1345
242 Stevens Ada P18-3521

244 Henry R 748-7931
246 Carter D L 748-1755
248 Koslow C P18-2267
250 Harper C Jr P18-4194
252 Aders C P18-5047
254 Callagher J P P18-6040
255 Willis J D Dr 748-8873
256 Ratay E J P18-6920
258 Ratay Cynthia P18-9102
259 Connor D W 748-3476
260 Hearn R J P18-1460
260 Dick J C P18-3944
261 Wright C E P18-1285
262 Lask O P18-3583
263 Goodenont J H P18-3409
264 Finch C R P18-3102
265 Placke L O P18-6763
266 Kimes R E 747-2005
268 Stotts C H P18-2553
270 Lewis S H P18-6254
271 Morgan C E P18-2331
272 Buchholz M E 747-2264
273 Cingerman M P18-2715
274 Shepherd C R 747-3874
275 Waller F 747-8154
301 Cioe D A 748-6916
302 Senenichuck R C P18-4501
303 Cieskin H L P18-7021
304 Rosendale M V P18-4272
305 Castillo P J P18-2683
306 Lukas A P18-1006
307 Gorski P T 747-8241
308 Potter T C P18-4293
309 Sheehan H A P18-5187
310 DiCarlo M W 747-3619
311 Kiley J F P18-2588
312 Tucker R S 747-0306
313 Metzger R H 748-9263
314 Vanket B A P18-1612
315 Cameron G E P18-4097
316 Carver J F 747-3470
317 Rodems R L P18-5576
319 Lloyd R E 747-3170
320 Branch R M P18-4660
321 Goodwin D O P18-5328
322 Feaker D 747-0516
325 Thule R J P18-6713
326 Ward R J P18-1760
327 Dorman C E P18-2897
328 Sweeney P E 748-0268

ROSLYN RD (OLYMPIA FIELDS)

993 Duggan R J P18-0201
1007 Krause S F P18-4223
1023 Porter A M P18-9227
1031 Swanson R W P18-0202

RUTLEDGE ST

401 Smith C M P18-9020
402 Faust R P 747-1275
403 McFarland M L P18-9472
404 Kaplan N P18-0582
405 Kason F H Maj 747-3363
406 Eddleman R E 748-8604
407 Brand R J P18-9554
408 Tesley R A P18-0361
409 Goan P Jr P18-0530
410 Klein D P18-0510
411 Stahl F P 747-3447
412 Harper D C P18-9450
413 Malolaky I P18-0859
414*Roseoff A W P18-3639
415 Floyd S P18-5251
416 Maxson F A P18-0542

ST LAWRENCE AV (MATTESON)

*St Lawrence O'Toole School 747-3322

SANDBURG ST

401 Kern T D P18-0924
402 Hartman E A P18-0917
403 Patterson M W P18-7998
404 Sacrae N A P18-5455
405 Andrews R S P18-0513
406 Kadlec E F 748-0445
408 Debus A G 747-3191
409 Cwoeney L J P18-3364
410 Froctor M P18-9169
411 Stelmiller M J P18-2639
412 Hoekins R H P18-7776
413 Kahn H P18-9134
414 Rogers C D Jr P18-8225
415 Barbour W P18-0754
416 Bates L J P18-9046
417 Wicklander R E P18-0365

SANGAMON CT

2 Foster P 747-2792
3 Madden J J P18-3601
4 Borchert D P 747-8623
5 Durant E C P18-3239
7 Gripp W L 747-8633
8 Stanton W R P18-6508
9 Rose H S 747-0044
10 Kleinman S M P18-4559
12 Johnson H K 748-3829
13 Green A E 747-1764

SANGAMON ST

238 Sunny J W 747-0960
240 Epstein Sherry P18-0815
240 Epstein M P18-1345
242 Stevens Ada P18-3521

244 Henry R 748-7931
246 Carter D L 748-1755
248 Koslow C P18-2267
250 Harper C Jr P18-4194
252 Aders C P18-5047
254 Callagher J P P18-6040
255 Willis J D Dr 748-8873
256 Ratay E J P18-6920
258 Ratay Cynthia P18-9102
259 Connor D W 748-3476
260 Hearn R J P18-1460
260 Dick J C P18-3944
261 Wright C E P18-1285
262 Lask O P18-3583
263 Goodenont J H P18-3409
264 Finch C R P18-3102
265 Placke L O P18-6763
266 Kimes R E 747-2005
268 Stotts C H P18-2553
270 Lewis S H P18-6254
271 Morgan C E P18-2331
272 Buchholz M E 747-2264
273 Cingerman M P18-2715
274 Shepherd C R 747-3874
275 Waller F 747-8154
301 Cioe D A 748-6916
302 Senenichuck R C P18-4501
303 Cieskin H L P18-7021
304 Rosendale M V P18-4272
305 Castillo P J P18-2683
306 Lukas A P18-1006
307 Gorski P T 747-8241
308 Potter T C P18-4293
309 Sheehan H A P18-5187
310 DiCarlo M W 747-3619
311 Kiley J F P18-2588
312 Tucker R S 747-0306
313 Metzger R H 748-9263
314 Vanket B A P18-1612
315 Cameron G E P18-4097
316 Carver J F 747-3470
317 Rodems R L P18-5576
319 Lloyd R E 747-3170
320 Branch R M P18-4660
321 Goodwin D O P18-5328
322 Feaker D 747-0516
325 Thule R J P18-6713
326 Ward R J P18-1760
327 Dorman C E P18-2897
328 Sweeney P E 748-0268

SAUK TRAIL-Cont'd.

3 Campbell L I P18-1265
8 Thompson C O P18-3097
10 Rion K E 747-3326
12 Taylor M S 747-1537
13 Charland B P18-1430
14 Koepke D P18-1215
15 Lacey R W P18-2927
16 Kaznerohak J P18-6041
17 Bennett Hilda P18-1766
20 VanEtten F Wrs P18-3037
22 Maun O F Jr P18-7289
23 Koller N R P18-1370
25 Mescha E A P18-2352
26 Roberts R P18-1049
30 Hart C J P18-5898
32 Anderson C A P18-5081
33 Bohon T K Jr P18-6823
34 Mason C R Jr P18-9552
35 Reynolds C E 748-1145
36 Vaughan W K P18-5312
37 Black Alice V 748-6495
38 Barresford R O P18-5936
39 Burns T P18-6068
41 Martin R V P18-3017
43 McWhorter A Mrs P18-7273
45 Murdoch A P18-5999
47 Harris E L P18-8041
49 Cooper L C 747-2834
50 Marcano J P Jr P18-5905
51 Sellers E P18-5967
52 Marienthal P H P18-1371
53 Decker R L P18-6465
54 Klein M 748-3695
55 Addison C P18-6255
56 Ephron M P18-5835
58 Derriek F 747-3160
59 House W R P18-1021
60 Kirby R M 748-1017
62 Edenton W F P18-7494
63 Head H R 748-2017
65 Lane R U DC P18-3639
102 Renzi A P18-6320
108 Joslin C H 747-0957
109 Stanley E V P18-7473
110 Johns B E P18-3789
112 Lerchen L J 747-0626
113 Wilburn H J 747-2352
114 Friedericks O 748-4215
115 Flaherty L C P18-5057
117 Evans R L P18-4568
118 Hahn H L 747-3318
119 Adams W P18-4908
123 Howland D 748-0441
124 Rhodes J C P18-4342
125 Willis H L 747-0643
127 Dunlap Myrtle W 748-4599
129 Bodwell P P18-1913
131 Quigley J C P18-1596
133 Kees T L P18-4414
135 Boyer R W 748-6953
137 Lloyd A H 747-8566
139 Giancole P P18-5876
141 Roth W J P18-6651
143 Wolff P A P18-6908
144 Wolff E M C Mrs P18-2036
145 Walker B P18-5005
201 Padgett J L P18-7336
203 Wilson M A P18-9181
205 Kaurish J O P18-2350
207 Carlson B E P18-7234
209 Sanders E H P18-6104
211 Baker I B Sr P18-3136
213 Gates Grace 748-9452
215 Greene Marilyn 748-3335
217 Mucha R J P18-1078
219 Hunter R L P18-4035
221 Kent H A P18-1434
223 Clary R J 748-5026
225 Gibson R G 748-4865
233 Curtis H E P18-7217
235 Mabry J C P18-6773
237 Langford

SAUK TRAIL—Cont'd

325 Greenhail E K P18-6369
329 Stelter V F P18-2920
330 Self D B P18-2460
331 Nii I T P18-1821
332 Horton L W P18-6833
333 Laufer H B P18-3766
334 Rittenberry W S 747-1034
335 Johnson R P18-4751
336 Bowcutt A A 748-3815
337 Amann F W P18-1829
338 Young H J P18-4633
340 Wingard M R P18-7584
341 Stulges J R P18-1738
342 Gatten R L 748-4201
343 Jones C M 747-0211
344 Coombs Mary H 748-5735
345 Phillips O W P18-7122
346 Callaway M E P18-4662
349 Gardner B P18-5605
351 Cruise F Mrs 748-7429
353 Watson J P P18-7177
355 Knoey W F P18-2064
360 Mitchell

Jacklin Lt Col 747-2395
362 Cowan D J 748-8453
364 Whitman L W 748-5060
366 Rice J S P18-6574
368 Davis G P P18-4029
370 Chiefter O R 747-0628
372 Foster B C 747-3522
374 Huffaker G T P18-3890
376 Schoenwald J J P18-3089
378 Reed A J P18-4038
380 Vassy C R P18-2270
382 O'Dea E T 747-8549
385 Bowen's Pure Oil Service 748-0359
386 Orloff Helen P18-2424
408 Shy A D P18-2263
404 Carty D P P18-1286
408 Reencous S P18-8706
Listings Continued in

RIGHTON PARK

SAUK TRAIL
(RIGHTON PARK)

POST OPC. WATTESON
Bohman H P18-3056
Borden J B P18-0995
Blume W D P18-8057
Broberg H M P18-2419
Crus C P18-2945
Battendorf V P18-0057
Heinsen E J P18-5182
Marquardt L P18-8663
Nelson K W 747-1231
Stuenkel L F P18-8994

POST OPC. RIGHTON PARK
Burger-Chef Drive In P18-5505
DeBoer G A P18-0394
Froeh A T P18-6305
Ode Sauk Trail Lbr & Hardware P18-7400
Howard's Standard Service P18-3211
James Florist Inc P18-1173
Righton Park Vlg of Fire Department P18-6121
Toback C W P18-2229
Tobanski O W P18-8929
3635 Top Rity Serv 748-4211
3633 Clavin W H DDS P18-1661
3637 Aetna Data Processing Company 747-3000
3637 Rita's Pizna P18-8494
3639 Township of Rich 748-9122
3699 Princess Charming School 747-3135
3699 Howard S Rose Ins Agency Incorporated 748-3200
3699 Tony's Hair Fashions 748-5481
3699 Schmidt W K MD 748-1360
3699 Chandler Constr Co Incorporated 747-1441
3699 Town & Country Realty Company 748-1000
3699 Joellner R A 748-5004
3701 Reserve Life Insurance Company 747-1732
3701 Transportation Agency Services 748-5100
3705 Righton Pk Clns & Clothiers P18-2090
3707 Twin Parks Barber Shop P18-4080
3717 Don Rose Rity Inc P18-8400
3717 Tulsa of Oklahoma Incorporated 747-0724
3717 Juranas L A P18-9399
3717 Rose Const Co P18-4521
3749 Estate Clns P18-2607

3764*Righton TV Serv & Sales P18-1555

3766*Vistain's News Agency P18-1020
3770*Park Animal Hosp 748-6655
3812 Klawitter E P18-2434
3818 Claesser F W P18-5284
3850*Bre H H 748-4500
3850*Eitrich Don & Associates P18-6760
3850*VanEtten R MD P18-3000
3850*Terese R J DDS P18-8181
3850*Barlis R S DDS P18-3930
3850*Liao C K MD P18-5334
3901*Zagerman A DDS P18-7090
3903*Clark Const Co 748-3520
3904*Sullivan E J Company 748-2532

3904*Mauser H A & Associates P18-9101

3904*Hearth & Heather Limited P18-7800
3905*Villa Rosa Pizze Restaurant P18-4161
3907*Wescha E A P18-2334
3907*Open Hearth Dress Shop Incorporated P18-3405

3907*Coleman-DeBolt & Company P18-5550

3908 Scheidt V P18-5410
3907*Zaybelle's Beauty Salon 748-3820
3912*Fresh's Inn P18-5435
3913*Woodham Phar P18-5761
3917*U S Post Ofc P18-1698
3919*Vita Craft Chgo Sales Incorporated P18-3434

3919*Canitone Regional Manager 748-9096

3921*Cedar's Salon DeCoffure P18-2525
3925*Dad LignsTap P18-1300
3927 Rose L B 747-3691
3927*Sand's Paint & Hardware P18-2200

3927*Girault TV Service P18-5555

3947*Bill's Landscaping Incorporated 748-1957
4100*Righton Park Vlg of Vlg Hall P18-1288
4100*Righton Park Vlg of Police Department P18-6131

4309 Campbell C F P18-4443
4315 Fitzgerald E P18-6667
4339 Kuchyak V P18-4778
4343 Carey E F Dr 748-1269

SEMINOLE ST

301 Ries H P 748-5768
302 Eisner M T P18-0372
303 Linahan J T P18-7226
305 Clendenning H W P18-1985
306 Fallon K A 748-5802
307 DeLarne R W 747-1652
308 Gustafson R L P18-5849
309 Kaaden R R P18-9442
310 Carr C C P18-7385
311 Cannon J P 747-3764
312 Kasser B D 748-5885
313 Bone A D P18-3459
314 Peterson W M 747-1961
315 Hirsch A A P18-2551
317 Sonnenman M J P18-1647
318 Hamby J E P18-2169
320 Mitchell A D 747-2238
322 Wilkinson C J P18-2749

SENECA ST

300 Rebhan H P18-5019
301 King Ann P18-6196
302 Brenner H J P18-3075
303 Richardson J S 747-2030
304 Klaus L E P18-3023
305 Burnett W P18-4133
306 Reader G S P18-5298
307 Singer M M P18-3236
308 Hurd J O Jr P18-5358
309 Rogach W 747-2232
310 Harvey G P18-5808
311 Stapleton J B P18-0553
312 Fransen A E P18-3678
313 Stone R D P18-6044
314 Guthrie R L P18-2445
315 Dorley E P18-7108
316 Maloney J M P18-5855
317 Abbott J A 747-3574
319 Kuony A 748-7061
320 Rothschild I P18-1512
321 Classen R A P18-5469
322 Wheeler D S P18-2155
323 Rogers D L 747-8369
325 Barnes B B P18-9749

SEWARD ST

401 Lyons C Lt Col 748-8438
402 Klein G 747-2691
403 Barron W M P18-6091
404 Allison G K 747-1184
408 Rheumer O A P18-2958
409 DeTorres J R 748-0076
410 Hynes A L P18-5669
411 Andersen A W 747-2670
412 Diersen R W P18-3631
413 VanGerpem G C 747-1599
415 Butler V Jr Rev 748-7920
416 O'Neal A 747-2580
417 Poole J M P18-7007
418 Kooistra L W P18-3419
419 Flink M R Jr 748-5699

SHABONA DR

101 Reavley J R P18-4135
104 Harmon H L P18-6909
106 Golden N A P18-3682
107 Harrison P J 747-1915
108 McGlinch J 748-6598
109 Fletcher D A 748-9105
110 Walker Jesse S 747-3794
111 Swank J G 748-0938
112 Frankow W E 748-8486
113 Parker G O P18-1673
115 King J D P18-3443
117 Warren J J P18-7442
121 Walusek P J P18-6578
123 FitzGerald J C P18-1652
124 Blair W R II P18-3603
125 Parker J C 748-5328
126 Earey L K P18-2691
128 Alchele C B 747-2350
129 Stephens E C 747-1632
130 Hochmuth G G 747-1539
131 Seaberg W E P18-6109
132 Brown J D P18-6759
133 Idler J C 748-8992
134 Slosson G P18-7600
135 Broughton E F 748-1101
151 Spohn D L 748-1528
152 Kramer K W P18-1004
153 Duffy E P P18-1048
154 Brower J M P18-4936
155 Delaney R M Jr P18-1929
156 St Pierre C P18-7536
159 Austing J L 747-8997
160 Howland G E P18-4491
162 Vitha G J P18-3577
163 Swehla R L P18-3650
165 Manuel E H 748-7561
167 Hayn D P Jr P18-2302
169 Hall D O 748-2313
171 Adams C J 747-8962
173 Johnson J B 747-1754
174 Kellecker B E 747-8292
175 Logan V E P18-5676
177 Brown C J 747-3276
179 Sullivan J C P18-5616
180 Hoge C P18-3148
181 Ikeler B L 747-1706
182 Radel F R P18-3649
183 Lee R T P18-3902
185 Singh J J 747-1533
187 East R E 748-3129
189 Ashton W J P18-3948
191 Gronewold W E 747-3408
192 Bachman R A P18-1463
193 Sains A S P18-3369
194 Stewart C W 748-6819
195 Jones R D P18-0929
197 Knight C R P18-0875
203 Shrydel B N 748-4220
204 Fitzgerald J E P18-2244
207 Gross R J 747-3567
208 Wilmsdorff C P18-7193
209 Haycraft M P 747-8698
210 Chilton P G Col P18-6310

211 Bock H W 748-1060
212 Beckman D E 747-3227
213 Ollmour R C P18-6544
214 Mattes E F P18-1428
215 Segert W P18-5007
216 Landis W E P18-7279
217 Graci A V P18-1577
218 Weber W 747-8727
220 Brown D E P18-2262
222 Curry M E P18-5742
224 Thompson R L 748-6615
225 Smith J W 747-1930
226 Shoven L D 747-0970
227 Reed C J 747-0641
228 Lunden F Q 748-5001
229 Burts E S P18-2966
230 Grover J R P18-8675
232 Hill J H P18-2373
233 Hafner S R 748-4098
236 Williams K E P18-4632
238 Tollefson T C P18-3123
239 Suca G W P18-3129
240 Sherman R O P18-4367

312 Koeller G E 747-0391
314 Ginther O D P18-2550
315 VanKetter W W P18-4530
318 Koore J C 747-2704
321 Carle H J P18-5861
323 Newling Eva Mrs 747-1516
325 Wiedle A F 748-4378
327 Watson C W P18-3855
329 Jones H R P18-3449
331 Ellerman L L 747-8551
333 Biggs E I P18-2150
336 Forstall L M P18-1838
337 Baker J H P18-3295
339 Kaiser K W P18-3998
346 Wall Ella H Mrs 747-3164
347 Wick J M P18-6385
348 Romano L L P18-1480
349 Johnson Gale T 747-2094
400 Kase R E P18-3887
402 Severson L A P18-6112
403 Marshall A T P18-2685
404 Hutchinson J K 748-4072
405 Edmunds H C P18-3493
406 Kerestes T E P18-3544
408 Hopkins J C P18-1884
413 Holts R F P18-1839
414 Purnell J E P18-4057
415 Kantanwein E E P18-3421
416 Wallace W S P18-2023
417 Gray J A P18-2616
419 Glover J R P18-4790
421 Roberts E L 748-3171
423 Pechloff R P P18-1927
424 Nykl C Sr P18-6581
425 Pennington W E P18-1659
427 Lox W E 747-1983
428 Cull J P18-6926
431 Baxter G J 748-3289
434 McCarrae L A P18-3847
442 Skilton D 748-5070
443 Brennan D P 747-2318
445 Whitworth R R P18-7632
447 Ross J P18-2342
448 Tracey J Jr Maj 747-0676
449 Reed J W P18-5343
450 Glims J F 747-2048
451 Reid R W P18-6200
453 Harnish R A 747-2342
455 Daubenspeck F C P18-2451
456 Sturges A P 747-1164
457 Kiser T A P18-2923
458 Harper J R P18-2593
461 Condon R W 748-4109
463 Fristoe J L P18-1026
464 Trimble D P18-2269
465 Wisniewski S G P18-8718
466 Becker E W P18-2096
467 Haverkamp R J P18-1535
468 Kaganove J V P18-5042
469 Rubenow R C 747-3297
470 Daufenbach N 747-0078
473 Stewart J P18-7012
474 Scott L A 747-2853
475 Regan D J 747-8578
476 Mullen E W P18-4618
477 Kessler J D 748-0737
478 Bloomquist R E P18-9575
479 Lussler V P18-3371
480 Albert E A 747-2364
481 Pike H J P18-2444
482 Zucks C K P18-2759
483 Sorenson C W P18-2947
485 Vogt A R P18-2666
487 Swanson A P18-2491
488 McDonald J K P18-3652
489 Trout R C P18-5947
490 Lindsey E E 748-6321
491 Decker D W P18-4633
493 Wille R E P18-2072

SHAWNEE ST

302 Brown D F P18-2278
303 Durkee W 748-5854
304 Vogliano R C 748-0634
305 Wehaffie C M P18-2826
306 Root R E 748-9305
307 Zuckerman J P18-2321
308 Martin W E P18-7176
309 Blackman B J P18-4087
310 Green J D P18-8041
312 Brady V L P18-1207
314 Crews M N P18-3218
315 Smith C M Col P18-6257
317 Avery G E Jr 747-2180
318 Hearst H 748-3874
319 Lutz Christine 748-9335
319 Lutz Jane A P18-5853
321 Kelter C W P18-3385
322 Koberly C W P18-0965
323 Chlesing D P18-6391
324 Johnson H G P18-6106
325 Herron J L 748-2994
326 Cafarella R J P18-3167
327 Mayhew W E P18-7588

SHERIDAN ST

302 Jaffe O 747-1025
303 Tannebaum S OD P18-3864
304 Sayre R N 747-1501
305 Belcos S S 747-1870
306 Cantu L C Jr P18-9428
307 Bernatein Sig 748-6231
308 Myers E D 747-3993
310 Szekesi N I 747-2646
311 Hoffman W D 747-2348
312 Baum W M P18-4093
313 Schwartz H 747-1938
314*Southwell E A 747-1949
315*Shelly Brokrg 747-2323
316 Stavens P P18-1645
318 Wasiolek E P18-7290
320 Sherman S I P18-4459

SHERMAN ST

402 Rial J A Sr P18-9526
403 Rubin M P18-2259
404 Johnson J H P18-8625
405 Kaufmann G C 747-8313
406 Graham E D P18-8413
407 Peterson R F P18-3019
408 Walter J W P18-2158
409 Lange P C 747-1888
410 Warner K O 747-8297
411 Rappaport E 747-2199
412 Rapp P E 747-0148
413 Green R S P18-3922
414 Wolff R P18-2204
415*Waller C O CB 747-2265
416 Schaefer R W P18-9725
417 Lincicome A P18-7349
419 Spengler A F 748-3479

SIOUX ST

300 Coop W A P18-4018
302 Hart E F P18-7152
303 Musenge J G P18-1281
304 Ramsey P 748-0378
305 Morris H M P18-4071
306 Brodsky M P18-1212
307 Gerstenberger D P18-5531
308 Swanson H E P18-5525
309 Robson E P 747-1264
310 Johnston R P18-3609
311 Bentley L 748-7552
315 Dekker J R 747-1774
317 Anderson H W P18-6155
319 Fleek W J P18-2101
320 Brust W E P18-2258
321 Bocek M P18-4466
322 VanDun J 748-6294
323 Bobich M P18-4177
324 Weil E P18-3541
325 Miles J B Jr P18-7484
326 Izen B G P18-1441
328 Smith F R P18-3186
329 Teisberg D W P18-2952
330 Gander L F 748-3441
331 Clapsom O P 747-3107

SOMONAUK CT

1 Fuller R L 748-3809
3 Yelvington M T 748-9243
4 Marcou W J P18-6086
5 Day G 747-0521
6 Newton R F P18-4674
8 Erbling R H P18-1907
11*B & P Hielite Trailers 748-5535
11 Buck P E 747-2465
12 Weissgerber A W 748-8322
13 VanHolling R P18-1640

SOMONAUK ST

229 Murphy J P P18-3497
230 Brolin S G P18-2631
232 Kriedler R D P18-7351
233 Andres D W 748-8685
234 Sundeen E E P18-3391
235 Witt M D 747-8653
237 Cartwright S K P18-2908
241 Anderson T Rev P18-7474
243 Caranell A P18-4323
245 Hankin H P18-7369
247 Kellacara J J 747-3328
249 McFadden L D P18-3217
251 Hyman H P18-2668
253 Anderson A E 747-8213
265 Polys R P18-1662
266*Grace United Protestant Church P18-4567
267 Hellel L E Mrs 748-6170
267 Delanger Junita 747-3015
275 Leveling H P18-4416
277 Marks C A 748-0340
300 Vyse A F III P18-5039
301 Luypp C H Jr 748-0540

225 Lollar R W	PI8-1092
235 Curtis H E	PI8-7217
235 Naby J C	PI8-6773
236 Vaughan W K	PI8-5312
237 Smith R W	PI8-3266
239 Hinneline M A	PI8-2432
241 Horchler R	PI8-1419
243 Miller E A	PI8-4378
245 Spencer P	PI8-6191
247 Paul H M	PI8-4652
249 Tasso P J	PI8-7248
251 Keegan J R	PI8-4213
253 Meader L V	PI8-6540
255 Kulovits A F	PI8-5970
257 Pennington J E	PI8-1672
259 Levine S M	PI8-7085
303 Xathewa B	PI8-5065
305 Adler H C	PI8-6892
307 Carlowsky L	PI8-6556
309 Kohlbacker G A	PI8-6635
311 Smith C	PI8-1972
313 Herzberger M J	PI8-2931
315 Rohlf J H	PI8-5723
317 Nelson C W	PI8-4744
319 Aulinska B	PI8-4424
321 Zippert I	PI8-2458
323 Equihua M M	PI8-2771
325 Dunand R L	PI8-4185
327 Baird J A	PI8-2446
329 Greenhalgh E K	PI8-4368
331 Williams H R	PI8-5231
333 Stelter V F	PI8-2920
335 Self D B	PI8-2460
337 Hii I T	PI8-1621
339 Horton L W	PI8-6933
341 Lauder H B	PI8-3766
343 Kaiser A J	PI8-3952
345 Rebeck L G	PI8-3241
347 Mitchell G D	PI8-7125
349 Amann F W	PI8-1929
351 Young H J	PI8-4633
353 Towne E M	PI8-2193
355 Wingard M R	PI8-7594
357 Stiles J R	PI8-1738
359 Wolbers L F	PI8-3335
361 Connors L L	PI8-5735
363 Phillips G W	PI8-7122
365 Callaway M E	PI8-4662
367 Gurley J	PI8-2892
369 Gardner B	PI8-5603
371 Miller W T	PI8-4124
373 Watson J P	PI8-7177
375 Sandberg C T	PI8-4024
377 Spengler A F	PI8-5479
379 Rice J S	PI8-6574
381 Davis G P	PI8-4029
383 Otto H Jr	PI8-4973
385 Osgood R H	PI8-4340
387 Huffaker G T	PI8-3890
389 Schoenwald J J	PI8-3039
391 Reed A J	PI8-4038
393 Layson C R	PI8-2270
395 Vasey S D	PI8-1768
397 Offy Helen	PI8-2424
402 Shy A D	PI8-2265
404 Dornes A G	PI8-4957

Listings Continued In

SAUK TRAIL

(RICHTON PARK)

Freeh A T	PI4-4305
Heinzen E J	PI5-4182
Pierce D A	PI6-6191
*Richton Pk Vlg of Village	
Hall	PI4-1288
*Richton Park Vlg of Fire	
Department	PI8-6121
*Richton Park Vlg of Police	
Department	PI8-6131
*Sauk Trail Lbr&Hdw	PI6-6500
Stuenkel L	PI4-6057
Toback C W	PI5-2229
Vollmer R	PI4-6052
Yarborough J	PI5-0590
3635*Paint Spot	PI4-8030
3637*J & L Bootery	PI5-3600
3637*Romano's Pizza	PI4-4494
3701*SouthEndHtg&AtrContg	
Company	PI8-5250
3701*Town & Country Realty	
Company	PI4-8000
3703*Clara E E	PI5-3814
3705*Richton Pk Clnrs & Clothiers	PI4-2090
3707*Twin Parks Barber Shop	PI4-6080
3717*Rosa Coast Co	PI8-4521
3717*Pilgrim Lthography & Printing	PI6-5929
3751*Clara ConstrCo	PI5-2520
3764*Richton TV Service & Sales	PI6-1555
3766*Vistain's News Agency	PI5-1020

3770 Johnson R C	PI5-7015
3812 Klawitter E	PI5-9494
3818 Glaesser F W	PI4-9284
3850*Bourque J E MD	PI6-2444
3850*Terresa R J DDS	PI5-3001
3850*Detrich Don & Associates	PI4-6760
3850*Vria V MD	PI6-6910
3850*Maurer H A	PI5-9101
3850*Vanetten R MD	PI5-3000
3850*Bardis R S DDS	PI4-1930
3904*Open Heart Dress Shop	
Incorporated	PI4-1405
3904*Unitarian Fellowship of Pk Forest	PI6-5078
3904*Raymond Enterprises	PI6-5086
3904*Winknerverder R	PI4-7118
3908 Scheidt V	PI4-9410
3912*Freesh's Inn	PI4-7435
3913*Needham Phar	PI6-2761
3915 Sims Vina M	PI4-6254
3919*Vita Craft Chgo Sales	
Incorporated	PI4-6440
3921*Cedar & Pierre's Salon DeCoffure	PI5-2525
3925*D&D Liquor&Tap	PI6-2300
3927*Clircuit Telvan Service	PI4-5555
3927*Sand's Paint & Hardware	PI6-6200
4309 Campbell C F	PI4-2443
4315 Ristucci J B	PI5-2528
4339 Kuchyak V	PI4-5778
4343 Carlson A L	PI6-4819

SEMINOLE ST

301 Wingo R Lt Col	PI8-6166
302 Johnson M J	PI8-7545
303 Killian H	PI8-3592
304 Hamilton A W	PI8-1454
305 Clendenning H W	PI8-1983
307 Curran F D	PI8-4282
308 Gustafson R L	PI8-5849
309 Borrino J	PI8-3316
310 Carr C E	PI8-7385
311 Reis P C	PI8-7013
312 Ferguson C E Jr	PI8-7089
313 Boss A D	PI8-3459
314 Forrest R B	PI8-3071
315 Hirsch A A	PI8-2551
317 Sonneman M J	PI8-1647
319 Kingsland E A	PI8-2875
321 Shott G L	PI8-6897
322 Wilkinson C J	PI8-2748

SENECA ST

300 Rebhan H	PI8-5019
301 King Ann	PI8-6196
303 Schullie E W	PI8-5227
304 Barrow O F	PI8-2094
305 Burnett W	PI8-4133
306 Reeder G S	PI8-5298
307 Singer M M	PI8-3236
308 Johnson A R	PI8-7669
309 Meade R H	PI8-3694
310 Harvey G	PI8-5808
311 Gerth G O	PI8-2097
312 Franzen A E	PI8-3678
313 Stone R D	PI8-6044
314 Guthneck R L	PI8-2445
315 Doorley E	PI8-7108
316 Maloney J M	PI8-6855
317 Pedersen H D	PI8-7444
319 Boswell A O Jr	PI8-3818
320 Rothschild I	PI8-1512
321 Clasen R A	PI8-5469
322 Wheeler D S	PI8-2155
323 Braun Dorothy M	PI8-7652
325 Rile C W	PI8-6063

SHABONA DR

101 Reavley J R	PI8-4135
103 Mariotte R H	PI8-4897
104 Harmon H L	PI8-6909
105 Walter H F	PI8-4572
106 Golden A	PI8-3682
107 Kirk F L	PI8-1762
108 Sanders R M	PI8-5707
109 Bergstrom D J	PI8-1778
110 Stowell H T	PI8-2673
111 Ranstead F J	PI8-2210
112 Zollars W B	PI8-4473
113 Berg L R	PI8-1264
115 King J D	PI8-3443
117 Warren J J	PI8-7442
119 Pusateri A J	PI8-1516
121 Walusek P J	PI8-6378
123 FitzGerald J C	PI8-1652
124 Blair W R II	PI8-3603
125 Rhudy C T	PI8-6222
126 Enarey L K	PI8-2691
127 Anthony C	PI8-5192

128 George H R	PI8-7561
129 Heagerty J F	PI8-1045
130 McKenna T J	PI8-7417
131 Seaberg W E	PI8-6109
132 Brown J D	PI8-6759
133 Milligan B D	PI8-3093
134 Slosson O	PI8-7600
135 Russell O W	PI8-3561
150 Spaulding W V	PI8-6497
151 Taylor T A	PI8-6868
153 Duffy E P	PI8-1048
154 Browere J N	PI8-4956
155 Delaney R M Jr	PI8-1929
156 St Pierre K	PI8-7536
157 Desal P F	PI8-1014
159 Pfleger G W	PI8-6592
160 Howland G E	PI8-4491
161 Cunningham T J	PI8-4041
162 Vitha G J	PI8-3577
163 Swella R L	PI8-3650
164 Brockman R L	PI8-3014
165 Faerber G C	PI8-7054
167 Hayn D P Jr	PI8-2302
169 Boots L V	PI8-5178
171 Oldin A K Jr	PI8-3799
172 Swink D C	PI8-2485
173 Kelly H A	PI8-3796
174 Miller L	PI8-7067
175 Logan V E	PI8-5676
177 Rentschler G Jr	PI8-6096
179 Sullivan J C	PI8-5616
180 Hoge C	PI8-3148
181 Lamont R D	PI8-6966
182 Leal F R	PI8-3649
183 Lee R T	PI8-3902
185 Golden L	PI8-4287
187 Elworthy A B	PI8-1356
189 Ashton W J	PI8-3848
191 Cohen S	PI8-4819
192 Bachman R A	PI8-1463
193 Sains A S	PI8-3569
195 Wilkin J P	PI8-6460
197 Wolfson L	PI8-4884
203 Wander L P	PI8-1921
204 Fitzgerald J E	PI8-5319
207 Scully J J	PI8-2811
208 Wilsenhorst C	PI8-7193
209 Nelson N H	PI8-3978
210 Block H H	PI8-5378
211 Foster B	PI8-2810
212 Robins N M	PI8-7513
213 Gilmore R C	PI8-6944
214 Mattes E P	PI8-1428
215 Segort W	PI8-5007
216 Smith W J	PI8-1731
217 Graci A V	PI8-1577
218 Callahan T A	PI8-5408
220 Wismann H F	PI8-5338
222 Curry M E	PI8-5742
224 Davis R P	PI8-1298
225 Chasanov M G	PI8-1851
226 Koolstra L W	PI8-3419
227 Veronesau D E	PI8-5025
228 Mitnick D	PI8-6848
229 Burtis E S	PI8-2966
230 Allen R H	PI8-1836
232 Hill J H	PI8-2373
233 Rusher R H	PI8-1196
234 Kearney W B	PI8-4601
236 Buhrman L J	PI8-3821
238 Tollefson T C	PI8-3123
239 Soca G W	PI8-3129
240 Sherman R O	PI8-4367
242 Coffey J M Dr	PI8-3911
243 Glinther O D	PI8-2550
245 VanMeter W W	PI8-4530
248 White E B	PI8-2573
250 Webster R W Jr	PI8-2190
251 Carls H J	PI8-5861
252 Throntveit T M	PI8-2378
253 Hackman C O	PI8-6575
257 Watson C W	PI8-3855
259 Jones H R	PI8-3449
331 Risel T	PI8-7375
333 Biggs E I	PI8-2150
336 Forstall L M	PI8-1838
337 Baker J H	PI8-3295
339 Kaiser K W	PI8-3988
345 Hopper L C	PI8-6144
346 Ronnau C Mrs	PI8-3906
347 Wick J M	PI8-6385
348 Zahn H E	PI8-7516
349 Garb J	PI8-5988
400 Kase R E	PI8-3887
402 Severson L A	PI8-6112
403 Radtke Irene	PI8-7283
404 Piraino A J	PI8-5790
405 Edmunds R C	PI8-3493
406 Kerestes T E	PI8-3544
408 Hopkins J C	PI8-1884
413 Holts R F	PI8-1839
414 Purnell J E	PI8-4057
415 Pettengel G	PI8-2801
416 Wallace W S	PI8-2023
417 Gray J A	PI8-2616
419 Glover J R	PI8-4790

421 Frakes R O	PI8-1256
423 Cooperman L D	PI8-4479
424 Newman E C	PI8-1427
425 Pennington W E	PI8-1659
426 Haynes W J	PI8-3374
427 Sfinotie N J	PI8-3493
428 Cull J	PI8-6926
429 Whisenant D E	PI8-7412
431 McKeague G C	PI8-4073
434 McCarron L A	PI8-3847
442 Hogan J B	PI8-6147
443 Tucker J W	PI8-2521
444 Hulbert O	PI8-1943
445 Whitworth J N	PI8-7632
447 Ross J	PI8-2342
448 Long C B	PI8-3934
449 Boundy D	PI8-6406
451 Reid R W	PI8-6200
453 Deubenspeck F C	PI8-2431
455 Miller J M	PI8-4761
456 Wendelson S	PI8-3464
457 Kiser T A	PI8-2925
458 Harper J R	PI8-2593
461 Gau C E	PI8-2040
463 Fristoe J L	PI8-1026
464 Trimble D	PI8-2269
465 Wisniewski S G	PI8-6058
466 Kite C	PI8-3845
467 Haverkamp R V	PI8-1535
468 Kaganove J J	PI8-5042
469 Dotson P Q	PI8-5931
470 Craver J H	PI8-4226
473 Stewart J	PI8-7012
474 Oswald W A	PI8-2736
476 Mullen E W	PI8-4618
477 Hirsch H	PI8-2436
478 Mortimer W C Jr	PI8-7563
479 Lussier V	PI8-3371
480 Polacek R J	PI8-1473
481 Pike R J	PI8-2444
482 Zucko C K	PI8-2759
483 Sorenson C W	PI8-2947
485 Perkins R B	PI8-2026
487 Swanson A	PI8-2491
488 McDonald G L	PI8-3652
489 Rogers E E	PI8-2482
491 Nedbalek D W	PI8-1145
493 Willie R E	PI8-2072

SHAWNEE ST

302 Brown D F	PI8-2278
303 Swank M O Capt	PI8-2255
304 Barasch S	PI8-2734
306 Laug M	PI8-6709
307 Zuckerman J	PI8-2321
308 Martin W E	PI8-7196
309 Blackman B J	PI8-4087
310 Fisherty J J	PI8-3013
312 Brady K J	PI8-1207
314 Crews M H	PI8-3218
315 Smith C M Col	PI8-6257
316 Barbour E C	PI8-2776
317 Ollila T C	PI8-6465
318 Lyall R F	PI8-2726
319 Lutz C F	PI8-5853
320 Murphy R J	PI8-2956
321 Kelter C W	PI8-3583
322 Long Faye L Maj	PI8-2067
323 Schlesing D	PI8-6391
324 Johnson H G	PI8-6106
325 Mikovsky R J	PI8-5679
326 Cafarella R J	PI8-5167
327 Mayhew W E	PI8-7588

SIoux ST

300 Coop W A	PI8-4018
302 Hart E F	PI8-7182
303 Musengo J G	PI8-1281
304 Hager E R	PI8-3208
305 Morris H M	PI8-4071
306 Brodsky M	PI8-1218
307 Gerstenberger D	PI8-5951
308 Seanson H E	PI8-5525
309 Jones D S	PI8-2568
310 Johnston R	PI8-3609
311 Fennell T G	PI8-4237
313 Penney T Lt Col	PI8-2791
315 Albert H P	PI8-2848
317 Anderson H W	PI8-6155
319 Fleck W J	PI8-2101
320 Brust W E	PI8-5244
321 Bocek M	PI8-4466
322 Clarke W C	PI8-2055
323 Robinson H C	PI8-4950
324 Well E	PI8-3541
325 Nilas J B Jr	PI8-7484
326 Isen B G	PI8-1441
327 Graham J R	PI8-4824
328 Smith P R	PI8-3186
329 Telsberg D W	PI8-2952

SOMONAUK CT

1 Busto V J	PI8-3571
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SOMONAUK CT-Cont'd

3 Weiss B	PI8-2381
4 Marcou W J	PI8-6096
5 Standish A W	PI8-3478
6 Newton R F	PI8-4694
7 Roberts J W Jr	PI8-0934
8 Erbling R H	PI8-1907
9 Eich W B	PI8-43

SAUK TRAIL—Cont'd

63 Lane R U DC	SK5-5639
102 Rennapage H J	SK4-6372
106 Turnbull W D	SK5-4328
108 Zipsa A E	SK4-6018
109 Stanley E V	SK4-7473
111 Jacobs C B	SK5-5865
110 Tengblad W E	SK5-4640
112 Small R A	SK4-4308
113 Rogers P W	SK4-8350
114 Dougherty J E	SK5-5423
115 Grove W H	SK4-8007
116 Elipani B J	SK4-0423
117 Moeng A L Jr	SK4-8262
118 Ham W H	SK5-0471
119 Berger A R	SK4-6587
120 Radke R R	SK5-4583
121 Grenova W	SK4-6113
122 Stephenson T F	SK4-6237
123 Levin J L	SK5-4840
124 Rhodes J C	SK4-4342
125 Dodge H B	SK5-7324
129 Bodwell P	SK4-1913
131 Hofstad J W	SK5-4030
133 Schulz M	SK4-4356
134 Ball J W	SK4-6377
135 Conner A	SK4-5873
137 Stone M H	SK5-2239
139 Collins G R	SK5-8986
141 Roth W J	SK5-6651
143 Wolff F A	SK5-3902
144 Wolff C	SK6-2036
145 Gallaher R T	SK5-0521
201 Padgett J L	SK5-7336
203 Sackett E P	SK5-4053
205 Kauterlich J G	SK5-0350
207 Carlson B E	SK5-7834
209 Mersach T F	SK5-1591
211 Baker I B	SK4-6188
213 Gates R D	SK5-0019
215 Baker I A	SK5-4514
217 Lord F E	SK4-1450
219 Connor P F Jr	SK5-4060
221 Kent H A	SK4-1434
223 Walker S H Jr	SK4-4182
225 Lollar R W	SK5-9092
233 Curtis H E	SK5-7217
235 Straka G A	SK4-7350
237 Olers I	SK5-8339
239 Hinehine M A	SK4-9432
241 Horehler R	SK4-1419
243 Miller E A	SK4-4378
245 Spencer F	SK4-6191
247 Paul H M	SK5-0652
249 Tassio P J	SK4-7248
251 Fletcher K L	SK5-0393
253 Chodas L I	SK5-6908
255 Kulovits A F	SK5-5870
257 Pfeiffer R F	SK5-6979
301 Levine S M	SK4-7085
303 Berry R H Jr	SK6-2501
305 Adler H C	SK5-6882
307 Carovsky L	SK4-6556
309 Kohlbacker G A	SK5-6853
311 Smith C	SK5-1972
313 Herron K E	SK5-6691
315 Rohlf J H	SK5-5723
317 Nelson C W	SK4-4744
319 Aulankis B	SK4-5424
321 Zippert I	SK5-2458
322 Equihua M M	SK6-2771
323 Witt L	SK4-5517
324 Baird J M	SK6-2446
325 Greenhalgh E K	SK4-6368
327 Colgren O T	SK4-1654
329 Stelter V F	SK4-2920
330 Bucher R H	SK4-4348
331 Nil Y T	SK5-1621
332 Horton L W	SK4-8833
333 Stoffregen M E	SK5-7608
334 Kaiser A J	SK6-0952
335 Rebeck L G	SK5-9129
336 Mitchell G D	SK4-7125
337 Amann P W	SK5-1829
338 Young H J	SK6-1633
339 May R E	SK5-8206
340 Wingard M R	SK6-1584
341 Stulges J R	SK5-3738
342 Chaferson	
G J Lt Col	SK6-1583
343 Wolbers M F	SK4-8327
344 Polakowski M H	SK6-4066
345 Phillips G W	SK5-9122
346 Callaway M E	SK6-0662
347 Gurley H F	SK5-6041
349 Reiter B J	SK4-8039
351 Miller W T	SK5-5124
353 Watson J P	SK4-9177
372 Reilly J P	SK6-1545
374 Huffaker O T	SK6-2196
376 Schoenwald J J	SK6-3089
402 Shy A D	SK5-9265
404 Faunce S P	SK6-1582
406 Gordon T R	SK6-2062

SAUK TRAIL
(RICHTON PARK)

Covert R W	SK5-3204
Freeh A T	SK4-4305
Glaeser F W	SK4-9284
Heinzen E J	SK5-4182
Ristucci J B	SK5-2528
Stuankel L	SK4-6057
Toback C W	SK5-2229
Volmer R	SK4-6052
3701*Sauck Trail Liqr	
Store	SK5-3090
3705*Richton Pk Clnrs &	
Clothiers	SK4-2090
3707*Sauck Trail Beauty	
Shop	SK5-3491
3749*W J L Bootery	SK5-3600
3751*Richton Realty	
Company	SK5-2520
3757*Twain Parks Barber	
Shop	SK4-6080
3764*Sauck Trail Radio &	
Service	SK4-9232
3766*Vistain's News	
Agency	SK5-1020
3770 Johnson R C	SK5-7015
3812 Klawitter E	SK5-9484
3850 Terese R J DDS	SK5-3001
3850*Post Hse Medical	
Group	SK6-2444
3850*Post Hse Phar	SK6-2761
3850*Dieterich Don &	
Associates	SK4-6760
3850*Vanetten R MD	SK5-3000
3850*Gonzalez W OD	SK5-1924
3850 Maurer R A	SK5-9101
3904*Madulinski R E	SK6-2100
3912*Freeh's Inn	SK4-7435
3919*Law-Ree's Specialty	
Shop	SK4-0260
3921*Cedar & Peres Hair	
Stylists	SK5-2525
3921*Vita Craft Service	
Company	SK4-6440
3925*DeD Liqrs & Groc	SK6-2300
3927*Sand's Paint &	
Hardware	SK4-3769
4339 Stadel R L	SK5-5380
4343 White R L	SK4-2756

SEMINOLE ST

301 Scherr G H	SK5-8460
302 Johnson M J	SK5-7545
303 Killian H	SK5-9592
304 Rundlett D A	SK4-0321
305 Clendenning H W	SK4-1983
306 Siegel E	SK5-6834
307 Erbe C	SK5-9173
308 Gustafson R L	SK4-5849
309 Bortline J	SK4-3316
310 Carr C C	SK5-9385
311 Chapel W D	SK4-2757
312 Ferguson C E Jr	SK5-7089
313 Spika H J Capt	SK5-3893
314 Madden L	SK6-3196
315 Hirsch A A	SK4-2551
316 McGill J C	SK4-3756
317 Sonneman M J	SK4-1647
318 Zimmerman E W	SK5-5721
319 Delbauer R A	SK5-6524
320 Traos F J	SK5-7897
321 Moore L C	SK5-2658
322 Wilkinson C J	SK5-0748

SENECA ST

300 Rickman R P	SK4-7286
301 King Ann	SK4-6196
303 Kent H F	SK5-5867
304 Barrow O P	SK5-2094
305 Burnett W	SK5-6131
306 Schaefer R W	SK5-1382
307 Singer M H	SK5-8326
308 Johnson A R	SK5-7669
309 Meade R H	SK5-5694
310 Aron H J	SK5-3343
311 Gerth G O	SK5-2097
312 Franken A E	SK5-3678
313 Linscott Sylvia	SK6-4091
314 Guthrie R L	SK5-2445
315 Dorley E	SK5-7108
316 Maloney J H	SK5-7855
317 Pedersen H D	SK4-9444
318 Janota R W	SK5-7215
319 Bonwell A O Jr	SK4-1818
320 Rothachild I	SK4-0512
321 Ling R M	SK6-0703
322 McGrew R M	SK5-4395
323 Braun C H	SK4-7652
325 Rile C W	SK5-6063

SHABONA DR

101 Reavley J R	SK4-4135
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103 Shroyer D H	SK4-6503
104 Harmon H L	SK4-6909
105 Walter H F	SK4-4372
106 Pilowski E J	SK5-1997
107 Kirk F L	SK6-1762
108 Stalvey B O Jr	SK6-1837
109 Bergstrom D J	SK4-9778
110 Stowell H T	SK4-2673
111 Akin T E	SK5-6789
112 Jones R W	SK4-6204
113 Berg L R	SK5-2264
115 Wiegert F W	SK5-6443
117 Warren J J	SK4-6442
119 Pusateri A J	SK4-6908
121 Walusek P J	SK4-6578
123 FitzGerald J C	SK6-1652
124 LeVan S K	SK4-5761
125 Worlarty J N	SK4-5975
126 Childers L T	SK4-5653
127 Erickson S E	SK5-8877
128 Gruetzmacher V	SK4-6086
129 Heagerty J F	SK5-1045
130 Bettes R S	SK4-4697
131 Forlenna S R	SK5-7615
132 Sharpe J H Jr	SK4-3974
133 Johnson E A	SK4-5867
134 Slosson G	SK5-8600
135 Russell G W	SK5-3561
150 Zinkowski C Maj	SK5-2672
151 Taylor T A	SK4-6868
152 Durlan H M	SK5-9490
153 Duffy E P	SK4-2511
154 Tunison R	SK5-3720
155 Delaney R M Jr	SK4-8929
156 Reynolds C	SK5-7477
157 Desel P F	SK5-0014
159 Pfeiffer G W	SK4-6592
160 Roland J L	SK4-1576
161 Cunningham T J	SK5-9041
162 Witth G J	SK5-0577
163 DiAndrea M J	SK5-4988
164 Brockman R L	SK5-9321
165 Leigh P	SK4-7751
167 Hayn D P Jr	SK4-2302
169 Clark W L	SK4-8982
171 Oldin A K Jr	SK6-3799
172 Swink D G	SK5-2485
173 Kelly H A	SK6-3796
174 Miller L	SK5-7067
175 Logan V E	SK5-5676
177 Mark A M	SK4-0511
179 Ryan E J	SK4-5944
180 Hoge C	SK5-9130
181 Lamont R D	SK5-6966
182 Radef R L	SK5-8649
183 Boyd E K	SK4-8088
185 Mathews D L	SK6-3614
187 Beck H C	SK4-7907
189 Ashton W J	SK4-7848
191 Cohen S	SK4-4819
192 Bachman R A	SK5-9463
194 Doyle W J	SK4-9261
195 Newman R C	SK4-7588
197 Wolfson L	SK5-4884
203 Robinson S R	SK4-7488
204 Shafer L	SK6-3707
207 Scully J J	SK5-2811
208 Wilmshorst C	SK4-9193
209 Nelson N H	SK5-3972
210 Brooke K W	SK4-1656
211 Foster B	SK4-7810
212 Robins N M	SK4-0313
213 Gilmour R C	SK5-6844
214 Mattes E F	SK5-3991
215 Segert W	SK4-5007
216 Smith W J	SK4-7731
217 Graef A V	SK4-0577
218 Owsman C H	SK4-1964
219 Underwood W E	SK4-4766
220 Wisnann H F	SK4-5338
222 Unbehauen E C	SK5-7771
224 Davis R P	SK4-9298
225 Bozich A	SK5-2618
226 Kolstra L W	SK4-3419
227 Eschenberg R E	SK5-2048
229 Dwyer J C	SK5-2744
230 Allen R H	SK4-1836
232 Hill J H	SK5-2373
233 Rusher R H	SK5-6196
234 Kearney W B	SK5-4601
236 LeBlanc W	SK4-6786
238 Tollefson T C	SK5-6123
239 Suea G W	SK5-3129
240 Sherman R G	SK4-4367
242 Krieser E M	SK4-1217
244 Ginther O D	SK4-0550
245 VanMeter W W	SK5-8530
248 White E B	SK5-9573
250 Webster R W Jr	SK4-9190
251 Carls H J	SK5-5861
253 Throntveit T M	SK5-2378
255*Carl's T V Serv	SK4-3268
257 Watson C W	SK4-0855
259 Jones H R	SK5-7449
331 Rizzi T	SK4-7373
333 Biggs E I	SK4-9150

336 Peck S R	SK5-5397
337 Sanders B	SK5-7613
338 Stanyer A H	SK5-8357
339 Kaiser K W	SK6-3898
345 Wolfe J W Jr	SK4-5852
346 Washburne J Jr	SK5-7274
347 Wick J M	SK5-6385
348 Zahn H E	SK4-0516
349 Garb J	SK4-5988
400 Kase R E	SK4-3887
402 Brown A S	SK4-7566
403 Hay C A	SK4-7879
404 Piraino A J	SK5-5790
406 Kerestes T E	SK5-2544
408 Hopkins J C	SK6-1884
413 Rolts R F	SK4-7839
414 Purnell J E	SK5-8057
415 Pettengel G	SK4-7801
416 Wallace W S	SK4-2023
417 Gray J A	SK4-2616
421 Frakes R G	SK5-1256
423 Tobak D S	SK4-6176
424 Newman E C	SK6-3048
425 Pennington W E	SK4-1659
426 Haynes W J	SK5-3374
427 Sifnotis H J	SK4-3495
428 Cull J	SK4-6926
429 Valerio R J	SK4-3250
431 McKeague G C	SK5-4073
434 McCarren L A	SK5-3847
442 Hogan J B	SK4-6147
443 Tucker J W	SK5-2521
444 Coop W A	SK4-8018
445 Whitworth J H	SK5-8632
447 Ross J	SK5-2342
448 Long C B	SK4-7934
449 Abramson B	SK4-7133
451 Reid R W	SK5-6200
453 Daubenspeck F C	SK5-2451
455 Goldoftas T	SK4-7077
456 Mendelson S	SK5-7929
457 Fligley W K	SK5-9107
458 Harper J R	SK5-2593
461 Cau C E	SK5-8040
463 Tritt E F	SK4-4418
465 White C	SK4-1407
466 Kite C	SK5-3845
467 Haverkamp R V	SK4-0535
468 Nelson J W	SK5-2749
469 Marx G C	SK4-3182
470 Craver J N	SK5-6226
473 Stewart J	SK4-4012
474 Oswald W A	SK4-7736
475 Heigl J M	SK4-6032
476 Mullen E W	SK4-8618
477 Hirsch H	SK5-2436
478 Riggs B C	SK5-5292
479 Lussier V	SK5-6371
480 Polacek R J	SK4-1473
481 Pike H J	SK5-2444
482 Zucks C K	SK4-2759
483 Sorenson C W	SK5-2947
485 Perkins R B	SK5-2026
487 Walsh E S	SK5-3790
488 McDonald G L	SK5-3652
489 Adams J M Dr	SK4-5638
490 Jones T Lt Col	SK6-1597
491 Nedbalek D W	SK5-1145
493 Biard H C	SK5-3993

SHAWNEE ST

302 Brown D F	SK5-2278
303 Rust J H Col	SK5-2688
304 Barach S	SK4-8734
305 Perex W D Col	SK6-2396
306 Laug M	SK4-6709
307 Schulling W L	SK5-3197
308 Martin W E	SK5-7196
309 Blackman B J	SK6-4087
310 Flaherty J J	SK5-3013
312 Brady K J	SK4-1207
314 Netherlton L	SK4-7325
315 Smith C M Col	SK4-6257
316 Barbour E W	SK5-7776
317 Wager J N	SK4-5805
318 Marzack G L	SK5-3490
319 Lutz C F	SK5-5853
320 Murphy R J	SK5-2956
321 Keiter C W	SK5-3385
322 Lau Gale N	SK5-1233
323 Schlismann C A	SK5-4342
324 Parrish R R	SK5-7071
325 Mikovsky R J	SK4-5679
326 Shore S	SK5-3516
327 Mayhew W E	SK5-7538

SIOUX ST

300 Vogt J	SK5-7868
302 Elkhoff H A	SK5-6841
303 Musengo J C	SK4-1281
304 Hager R E	SK4-7994
305 Morris H M	SK4-9071
306 Debroux L J	SK5-1316
307 Stewart R K	SK4-0555

308 Swanson R E	SK5-5525
309 Jones D S	SK5-2568
310 Staley J P	SK4-8243
311 Wink F	SK5-6587
313 Penney T Lt Col	SK5-2791
315 Albert H P	SK5-2848
317 Garner G	SK4-7740
319 Clark W J	SK5-2101
320 Christensen R H	SK6-0946
321 Boock M	SK4-4466
322 Sinitilico J A	SK5-2467
323 Rodman W K	SK3-3304
324 Staudacher R F	SK5-7039
325 Wilson R W	SK5-2678
326 Izen B Q	SK5-1441
328 Smith F R	SK4-3186
329 Tiesberg D W	SK5-1952
330 Harban A A	SK4-0029
331 Stewart J C Jr	SK4-7961

APPENDIX G
PERSONNEL QUALIFICATIONS

JEFFREY FITZGIBBONS

Project Geologist

Fields of Expertise

Environmental Monitoring, Phase I and II Environmental Site Assessments and Investigations, Risk-Based Corrective Action, Environmental Remediation

Certifications

OSHA 40 Hour HAZWOPER Certified

Annual Refresher

Education

B.S. Earth and Environmental Sciences
Magna cum laude

The University of Illinois at Chicago

Professional Summary

Mr. Fitzgibbons serves as a Staff Geologist for Weaver Boos Consultants North Central, LLC. He is responsible for a variety of environmental investigation, sampling, and monitoring activities at several different industrial, commercial and solid waste management facilities. He has supported projects involving environmental studies of solid waste disposal facilities, as well as industrial manufacturing operations.

Select Project Experience

Mr. Fitzgibbons has performed Phase I environmental site assessments (Phase I ESAs) for commercial and industrial clients within Illinois and Indiana. The assessments, at a minimum, have generally complied with the ASTM E1527 standard. His experience in conducting a Phase I Environmental Site Assessment (ESA) includes performing a site reconnaissance to obtain information indicating

the likelihood of identifying Recognized Environmental Conditions (REC). He has conducted records reviews of federal and state sources to help identify any REC possibilities on the site and has conducted interviews with local, state, and federal regulatory agencies regarding any REC possibilities. Finally, he has been involved in evaluation and reporting preparation in conformance to regulation standards.

In support of Phase II Environmental Site Assessments conducted at project sites in Indiana and Illinois, he has coordinated and completed various soil sampling events, including: observation of soil probe activities, interpretation of subsurface soils, screening for volatile organic contents using a photoionization detector, and sample collection for laboratory analysis.

Mr. Fitzgibbons completed a Phase I and Phase II Environmental Site Assessment of a former metal plating facility in Palatine, Illinois. Assessment activities were designed to evaluate long term liabilities and environmental considerations associated with facility reuse and/or demolition planning.

Mr. Fitzgibbons has participated in numerous field sampling events involving groundwater and surface water at a variety of solid waste disposal facilities. Responsibilities include conformance with established groundwater monitoring procedures and plans, Standard Operating Procedures and compliance with applicable Health and Safety Plans.

PETER CAMBOURIS, LPG

Senior Project Manager

Fields of Expertise

Environmental Permitting and Regulatory Compliance, Environmental Monitoring (air, soil, and groundwater), Environmental Site Assessments (Phase I and II ESA), Voluntary Clean Up Programs, Brownfields Redevelopment Programs, Risk-Based Corrective Action, Environmental Remediation Project Management, Hydrogeologic Investigations, Solid Waste Facility Construction Management, Geotechnical Exploration.

Certifications

Licensed Professional Geologist (Illinois). Forty Hour Hazardous Waste Site Worker and Eight Hour Supervisors Refresher Course

Education

B.S. Earth Science, Northeastern Illinois University, 2004

B.A. Environmental Studies, Northeastern Illinois University, 1995

Professional Summary

Mr. Cambouris serves as a Senior Project Manager for Weaver Boos Consultants North Central, LLC. He has approximately 15 years of professional experience in conducting and managing a wide variety of environmental and solid waste facility projects. During this time, Mr. Cambouris has been involved in various aspects of project implementation including the supervision of technical support staff in the compilation and presentation of site investigations. He has successfully completed numerous projects including multi-phase environmental site assessments, risk based corrective action, hydrogeological investigations, groundwater impact assessments, remediation planning and implementation, UST closures, and solid waste construction management. In addition, he has conducted geotechnical exploration and construction materials testing activities in support of property development projects.

Select Project Experience

Mr. Cambouris has completed numerous Phase I and II ESAs that have included soil and groundwater sampling activities. Mr. Cambouris has also been responsible for the managing and implementation of various

environmental remediation projects. He has managed numerous brownfields projects enrolled in various voluntary clean up programs including the Illinois Site Remediation Program (SRP) and LUST, the Indiana Voluntary Remediation Program (VRP) and LUST, Wisconsin Department of Natural Resources, and RCRA compliance.

Mr. Cambouris has assisted municipalities in the Illinois Municipal Brownfields Redevelopment Grant Program. Services include securing funding for Brownfields assessment and cleanup activities and seeing them through the Site Remediation Program in support of obtaining No Further Remediation Letters.

Mr. Cambouris is implementing SRP activities associated with a 1.7 acre parcel of land containing a former die casting facility that is located in the west suburbs of Chicago. The site has been enrolled in the SRP for purposes of securing a Focused NFR letter to address Polychlorinated Biphenyls (PCBs) impacts observed in the subsurface and building materials. In addition, the site is seeking a Risk Based Disposal Approval Request from the United States Environmental Protection Agency (USEPA) to address these PCB impacts. Tier 3 remediation objectives and Self-Implementing Cleanup Standards have been proposed for the site.

Mr. Cambouris has managed and implemented SRP activities that led to the acquisition of a Comprehensive NFR letter for a 6 acre parcel of land located in the west suburbs of Chicago. Based on subsurface investigations, the site had been impacted by Volatile Organic Compounds (VOCs), in particular Trichloroethylene (TCE). A Tier 2 evaluation was undertaken that consisted of the development of Tier 2 Soil Remediation Objectives for the Soil Component of the Groundwater Ingestion Exposure Route. Alternative caps were constructed as engineered barriers to address COCs exceeding the Soil Inhalation and Ingestion Exposure Routes. The site was issued a Comprehensive NFR letter by the IEPA SRP.

APPENDIX B
PROPERTY LEGAL DESCRIPTION

PARCEL 1

LOT 1 IN J-MAR RESUBDIVISION OF LOT 5 IN BLOCK 99 IN VILLAGE OF PARK FOREST AREA NUMBER 4, A SUBDIVISION OF PART OF THE EAST ½ OF SECTION 35 AND THE WEST ½ OF SECTION 36, TOWNSHIP 35 NORTH, RANGE 13, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS.

PARCEL 2

THAT PART OF LOT 3 IN SHERYL'S RESUBDIVISION OF OUTLOT S IN BLOCK 99 IN VILLAGE OF PARK FOREST AREA NUMBER 4, BEING A SUBDIVISION IN THE EAST ½ OF SECTION 35, AND IN THE WEST ½ OF SECTION 36, TOWNSHIP 35 NORTH, RANGE 13, EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: BEGINNING AT THE SOUTHWEST CORNER OF SAID LOT 3; THENCE NORTHERLY 157.80 FEET ALONG THE WEST LINE OF SAID LOT 3 TO THE SOUTH LINE OF LOT 2 IN SAID SHERYL'S RESUBDIVISION; THENCE EASTERLY 211.82 FEET ALONG LAST SAID SOUTH LINE AND SOUTH LINE EXTENDED EAST TO THE EAST LINE OF SAID LOT 3; THENCE SOUTHERLY AND 71.56 FEET ALONG LAST SAID EAST LINE TO THE SOUTHERLY LINE OF SAID LOT 3; THENCE WESTERLY 110 FEET; THENCE SOUTHWESTERLY 91.03 FEET; THENCE WESTERLY 65.18 FEET ALL ALONG LAST SAID SOUTHERLY LINE TO THE PLACE OF BEGINNING, ALL IN COOK COUNTY, ILLINOIS.

APPENDIX C
SOIL BORING LOGS/MONITORING WELL
CONSTRUCTION DIAGRAMS

Soil Boring SB-01

(Page 1 of 1)

U.S. EPA Region V
Contract: EP-S5-06-04

Date Drilled : 06-19-12
Sample Date : 06-19-12
Collector : WESTON
Drilling Company : Cabeno Environmental
Drill Rig Type : Geoprobe

Completion Depth : 20'
WESTON Geologist : J. Colomb

Blackhawk Drive - 381 Blackhawk Dr.
Forest Park, Cook County, Illinois

DEPTH (ft)	GRAPHIC	USCS	Samples Collected	Analyses Performed	SAMPLE INTERVAL	REMARKS
			<div><div></div> Investigative Sample</div> <div><div></div> Duplicate Sample</div> <div><div></div> MS/MSD Sample</div>	TCL VOCs, TCL SVOCs, TCL Metals, Cyanide, TCLP Metals, pH, TCL PCBs, TCL Pesticides		
			DESCRIPTION			
0	<div></div>	SM	SANDY SILT, light brown, moist, some fine to medium grained sand. No staining or visual signs of contamination, no PID readings, and no odors noted.		<div></div>	BH-SS01(0-2)-061912
1		SM	SILTY SAND, dark brown, some light brown streaking, moist, some fine to medium grained sand. No staining or visual signs of contamination, no PID readings, and no odors noted.			
2						
3	<div></div>	ML	CLAYEY SILT, dark brown, some grey streaking, moist. No staining or visual signs of contamination, no PID readings, and no odors noted.			
4						
5						
6						
7	<div></div>	CL	CLAY, dark brown, some grey streaking, moist,. No staining or visual signs of contamination, no PID readings, and no odors noted.			
8						
9						
10	<div></div>	NR	NO RECOVERY - water on sleeve.			
11						
12						
13	<div></div>	ML	SILT, trace fine and medium sand, dark brown, saturated. No staining or visual signs of contamination, no PID readings, and no odors noted.			
14		CL	SILTY CLAY, light brown, some dark brown banding, wet. No staining or visual signs of contamination, no PID readings, and no odors noted.			
15						
16						
17	<div></div>	CL	CLAY, grey, stiff, medium plasticity, moist/dry. No staining or visual signs of contamination, no PID readings, and no odors noted.		<div></div>	BH-SB01(18-20)-061912
18						
19						
20	<div></div>					
21			END OF BORING AT 20'.			

Monitoring Well MW-02 / Soil Boring SB-02

(Page 1 of 1)

U.S. EPA Region V
Contract: EP-S5-06-04

Date : 06-19-12
Sample Date : 06-19-12
Collector : WESTON
Drilling Company : Cabeno Environmental
Drill Rig Type : Geoprobe

Completion Depth : 20'
WESTON Geologist : J. Colomb

Blackhawk Drive - 381 Blackhawk Dr.
Park Forest, Cook County, Illinois

Depth (ft)	GRAPHIC	USCS	Samples Collected	Analyses Performed	SAMPLE INTERVAL	REMARKS	Monitoring Well MW-02
			<div><div></div> Investigative Sample</div> <div><div></div> Duplicate Sample</div> <div><div></div> MS/MSD Sample</div>	TCL VOCs, TCL SVOCs, pH, TCL Metals, Cyanide, TCLP Metals			
			DESCRIPTION				
0	<div></div>	SM	SANDY SILT, light brown, fine to medium grained sand, dry, rootlets. No staining or visual signs of contamination, no PID readings, and no odors noted.	<div></div>	BH-SS02(0-2)-061912		<div><div></div></div> <div>Grout</div> <div></div> <div>Riser</div> <div>Bentonite Seal</div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> 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Monitoring Well MW-01 / Soil Boring SB-03

(Page 1 of 1)

U.S. EPA Region V
Contract: EP-S5-06-04

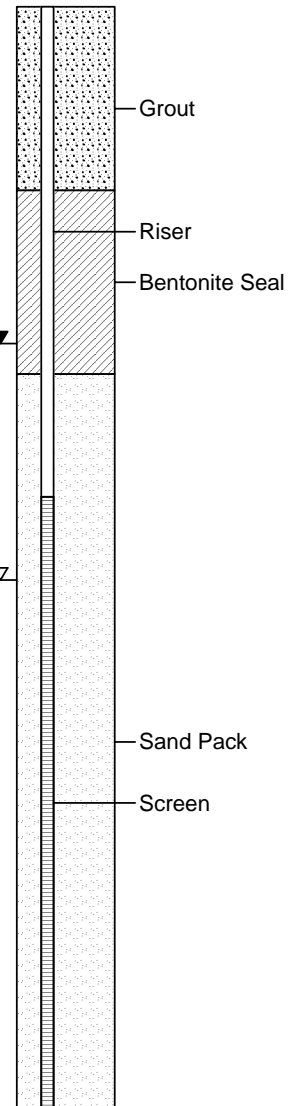
Blackhawk Drive - 381 Blackhawk Dr.
Park Forest, Cook County, Illinois

Date : 06-19-12
Sample Date : 06-19-12
Collector : WESTON
Drilling Company : Cabeno Environmental
Drill Rig Type : Geoprobe

Completion Depth : 20'
WESTON Geologist : J. Colomb

Depth (ft)	GRAPHIC	USCS	Samples Collected	Analyses Performed	SAMPLE INTERVAL	REMARKS	Monitoring Well MW01
			<div>Investigative Sample</div> <div>Duplicate Sample</div> <div>MS/MSD Sample</div>	TCL VOCs, TCL SVOCs, pH, TCL Metals, Cyanide, TCLP Metals			
			DESCRIPTION				
0		SM	SANDY SILT, fine to medium sand, some small gravel, light brown, dry. No staining or visual signs of contamination, no PID readings, and no odors noted.			BH-SS03(0-2)-061912	
1		CF	CONCRETE FILL.				
2		ML	CLAYEY SILT, dark brown, low plasticity, some grey streaking, moist. No staining or visual signs of contamination, no PID readings, and no odors noted.				
3		ML	CLAYEY SILT, trace fine sand, dark brown, moist. No staining or visual signs of contamination, no PID readings, and no odors noted.				
4		ML					
5		SW	SAND, Well Graded, fine to coarse sand, some small gravel, white/light brown, dry. No staining or visual signs of contamination, no PID readings, and no odors noted.				
6		CL	SILTY CLAY, dark brown, some light brown banding, moist. No staining or visual signs of contamination, no PID readings, and no odors noted.				
7		CL	CLAY, dark brown, some grey streaking, saturated. No staining or visual signs of contamination, no PID readings, and no odors noted.				
8		CL					
9		CL					
10		CL	CLAY, grey very stiff, medium plasticity, some dark grey banding, moist. No staining or visual signs of contamination, no PID readings, and no odors noted.			BH-SB03(18-20)-061912	
11		CL					
12			END OF BORING AT 20' bgs.				
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

Monitoring Well
MW01



Soil Boring SB-04

(Page 1 of 1)

U.S. EPA Region V
Contract: EP-S5-06-04

Date Drilled : 06-19-12
Sample Date : 06-19-12
Collector : WESTON
Drilling Company : Cabeno Environmental
Drill Rig Type : Geoprobe

Completion Depth : 15'
WESTON Geologist : J. Colomb

Blackhawk Drive - 381 Blackhawk Dr.
Forest Park, Cook County, Illinois

DEPTH (ft)	GRAPHIC	USCS	Samples Collected	Analyses Performed	SAMPLE INTERVAL	REMARKS
			<div><div></div>Investigative Sample</div> <div><div></div>Duplicate Sample</div> <div><div></div>MS/MSD Sample</div>	TCL VOCs, TCL SVOCs, pH, TCL Metals, Cyanide, TCLP Metals		
			DESCRIPTION			
0	<div></div>	SM	SANDY SILT, fine to coarse grained sand, trace small gravel, light brown, dry. No staining or visual signs of contamination, no PID readings, and no odors noted.		<div></div>	BH-SS04(0-2)-061912
1						
2	<div></div>	ML	CLAYEY SILT, light brown with dark brown streaking, low plasticity, dry. No staining or visual signs of contamination, no PID readings, and no odors noted.			
3						
4						
5	<div></div>	CL	CLAY, light brown with dark brown streaking, medium plasticity, damp. No staining or visual signs of contamination, no PID readings, and no odors noted.			
6						
7						
7	<div></div>	SW	SAND, Well Graded, fine to coarse sand, some small gravel, light brown/white, saturated. No staining or visual signs of contamination, no PID readings, and no odors noted.			
8		ML				
9	<div></div>	CL	CLAY, dark brown with some light brown banding, medium plasticity, moist. No staining or visual signs of contamination, no PID readings, and no odors noted.			
10						
11						
12						
13						
14	<div></div>	CL	CLAY, dark brown with some light brown banidng, medium plasticity, dry. No staining or visual signs of contamination, no PID readings, and no odors noted.		<div></div>	BH-SB04(13-15)-061912 BH-SB04(13-15)-061912-MS/MSD
15						
END OF BORING AT 15'.						
16						
17						

Soil Boring SB-05

(Page 1 of 1)

U.S. EPA Region V
Contract: EP-S5-06-04

Date Drilled : 06-19-12
Sample Date : 06-19-12
Collector : WESTON
Drilling Company : Cabeno Environmental
Drill Rig Type : Geoprobe

Completion Depth : 17'
WESTON Geologist : J. Colomb

Blackhawk Drive - 381 Blackhawk Dr.
Forest Park, Cook County, Illinois

DEPTH (ft)	GRAPHIC	USCS	Samples Collected	Analyses Performed	SAMPLE INTERVAL	REMARKS
			<div><div></div>Investigative Sample</div> <div><div></div>Duplicate Sample</div> <div><div></div>MS/MSD Sample</div>	TCL VOCs, TCL SVOCs, pH, TCL Metals, Cyanide, TCLP Metals		
			DESCRIPTION			
0	<div></div>	AS	ASPHALT		<div></div>	BH-SS05(0-2)-061912 BH-SS05(0-2)-061912-D
1	<div></div>	CL	CLAY, grey grading to dark grey, light brown banding, medium plasticity, stiff, dry. No staining or visual signs of contamination, no PID readings, and no odors noted.			
2						
3	<div></div>	ML	CLAYEY SILT, dark brown, some light brown banding, moist. No staining or visual signs of contamination, no PID readings, and no odors noted.			
4						
5						
6	<div></div>	CL	CLAY, light brown with dark brown streaking, medium plasticity, moist. No staining or visual signs of contamination, no PID readings, and no odors noted.			
7						
8						
9						
10						
11						
12						
13						
14	<div></div>	SW	SAND, Well Graded, fine to coarse sand, small gravel, grey/brown, saturated. No staining or visual signs of contamination, no PID readings, and no odors noted.		<div></div>	BH-SB05(15-17)-061912
15	<div></div>	CL	CLAY, grey with some dark grey streaking, medium plasticity, stiff, dry. No staining or visual signs of contamination, no PID readings, and no odors noted.			
16						
17	END OF BORING AT 17'.					
18						

Soil Boring SB-06

(Page 1 of 1)

U.S. EPA Region V
Contract: EP-S5-06-04

Blackhawk Drive - 381 Blackhawk Dr.
Forest Park, Cook County, Illinois

Date Drilled : 06-19-12
Sample Date : 06-19-12
Collector : WESTON
Drilling Company : Cabeno Environmental
Drill Rig Type : Geoprobe

Completion Depth : 15'
WESTON Geologist : J. Colomb

DEPTH (ft)	GRAPHIC	USCS	Samples Collected	Analyses Performed	SAMPLE INTERVAL	REMARKS
			<div><div></div>Investigative Sample</div> <div><div></div>Duplicate Sample</div> <div><div></div>MS/MSD Sample</div>	TCL VOCs, TCL SVOCs, pH, TCL Metals, Cyanide, TCLP Metals		
			DESCRIPTION			
0	<div><div></div></div>	SM	SANDY SILT, fine to medium sand, some small gravel, light brown, dry. No staining or visual signs of contamination, no PID readings, and no odors noted.		<div><div></div></div>	BH-SS06(0-2)-061912
1		CF	CONCRETE FILL.			
2	<div><div></div></div>	ML	CLAYEY SILT, dark brown with light brown streaking, dry. No staining or visual signs of contamination, no PID readings, and no odors noted.		<div><div></div></div>	
3						
4						
5						
6	ML	CLAYEY SILT, dark brown, light brown streaking, moist. No staining or visual signs of contamination, no PID readings, and no odors noted.				
7	<div><div></div></div>	CL	CLAY, light brown, some dark brown streaking, low plasticity, moist. No staining or visual signs of contamination, no PID readings, and no odors noted.			
8						
9						
10						
11	CL	SILTY CLAY, dark brown, some light brown streaking, wet. No staining or visual signs of contamination, no PID readings, and no odors noted.				
12	<div><div></div></div>	CL	CLAY, light brown, dark brown streaking, dry. No staining or visual signs of contamination, no PID readings, and no odors noted.			
13						
14						
15	END OF BORING AT 15'.					
16						
17						
18						

APPENDIX D

LABORATORY DATA AND DATA VALIDATION REPORTS

The laboratory data packages will only be provided in electronic report deliverables (on CD). They will not be included in any report hard copies.

**BLACKHAWK DRIVE
PARK FOREST, COOK COUNTY, ILLINOIS
DATA VALIDATION REPORT**

Date: July 12, 2012

Laboratory: Accutest Laboratories (Accutest), Marlborough, Massachusetts

Laboratory Project #: MC11638

Data Validation Performed By: Lisa Graczyk, Weston Solutions, Inc. (WESTON®) Superfund Technical Assessment and Response Team (START)

Weston Work Order #: 20405.012.008.1802.00

This data validation report has been prepared by WESTON START under the START III Region V contract. This report documents the data validation for 15 soil samples plus two trip blanks collected for the Blackhawk Drive Site that were analyzed for the following parameters and U.S. Environmental Protection Agency (U.S. EPA) methods:

- Volatile Organic Compounds (VOC) by SW-846 Method 8260B
- Toxicity Characteristic Leaching Procedure (TCLP) VOCs by SW-846 Method 1311 and 8260B
- Semivolatile Organic Carbons (SVOC) by SW-846 Method 8270C
- TCLP SVOCs by SW-846 Methods 1311 and 8270C
- Polychlorinated Biphenyls (PCB) by SW-846 Method 8082
- Pesticides by SW-846 Method 8081
- Total Petroleum Hydrocarbons (TPH) as Diesel Range Organics (DRO) and Gasoline Range Organics (GRO) by SW-846 Method 8015
- Metals by SW-846 Methods 6010C and 7471B
- TCLP Metals by SW-846 Methods 1311, 6010C, and 7470A
- Cyanide by SW-846 Method 9012M
- pH by SW-846 Method 9045
- Flashpoint by SW-846 Method 1010
- Percent Solids by SM 2540B
- Fractional Organic Carbon (FOC) by ASTM D2974

A level II data package was requested from Accutest. The data validation was conducted in general accordance with the U.S. EPA "Contract Laboratory Program National Functional Guidance for Superfund Organic Methods Data Review" dated June 2008 and "Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review" dated January 2010. The Attachment contains the results summary sheets with the hand-written qualifiers applied during data validation.

VOCs by SW-846 METHOD 8260B

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
BH-SS01(0-2)-061912	MC11638-1	Soil	6/19/2012	6/26/2012
BH-SB01(18-20)-061912	MC11638-2	Soil	6/19/2012	6/27/2012
BH-SS02(0-2)-061912	MC11638-3	Soil	6/19/2012	6/28/2012
BH-SB02(18-20)-061912	MC11638-4	Soil	6/19/2012	6/27/2012
BH-SS03(0-2)-061912	MC11638-5	Soil	6/19/2012	6/26/2012
BH-SB03(18-20)-061912	MC11638-6	Soil	6/19/2012	6/26/2012
BH-SS04(0-2)-061912	MC11638-7	Soil	6/19/2012	6/26/2012
BH-SB04(13-15)-061912	MC11638-8	Soil	6/19/2012	6/26/2012
BH-SS05(0-2)-061912	MC11638-9	Soil	6/19/2012	6/26/2012
BH-SS05(0-2)-061912D	MC11638-10	Soil	6/19/2012	6/27/2012
BH-SB05(15-17)-061912	MC11638-11	Soil	6/19/2012	6/26/2012
BH-SS06(0-2)-061912	MC11638-12	Soil	6/19/2012	6/27/2012
BH-SB06(13-15)-061912	MC11638-13	Soil	6/19/2012	6/26/2012
BH-SB06(13-15)-061912D	MC11638-14	Soil	6/19/2012	6/26/2012
TB-01	MC11638-15	Methanol	6/19/2012	7/2/2012
TB-01	MC11638-15A	Soil	6/19/2012	6/23/2012
TB-02	MC11638-16	Methanol	6/20/2012	7/2/2012
TB-02	MC11638-16A	Soil	6/20/2012	6/23/2012

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection.

3. Blanks

Method blanks were analyzed with the VOC analyses and were free of target compound contamination above the reporting limit.

The two soil trip blanks contained acetone above the reporting limit. For the soil trip blank collected on 6/19/2012 (TB-01), the acetone result was 20.6 microgram per kilogram ($\mu\text{g/kg}$). For the soil trip blank collected on 6/20/2012 (TB-02), the acetone result was 12.0 $\mu\text{g/kg}$.

Because all detected acetone results were at a similar concentration as the trip blank (less than 5 times the trip blank concentration), they were flagged “U” as not detected. Note that the methanol from the trip blanks did not contain acetone.

4. Surrogate Results

The surrogate recovery results were within the laboratory-established quality control (QC) limits.

5. Laboratory Control Sample (LCS) Results

The LCS and LCS duplicate (LCSD) recoveries and relative percent differences (RPD) were within laboratory QC limits except for as follows.

Some compounds were detected high in the LCSs. Because these compounds were not detected in the samples or were detected below the reporting limit and flagged “J” by the laboratory, no qualifications were required.

6. Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results

A site-specific MS and MSD were analyzed using samples BH-SB04(13-15)-061912 and BH-SB01(18-20)-061912 as the spiked samples.

In the MS/MSD using sample BH-SB04(13-15)-061912 , several VOCs were detected outside the QC limits either high or low, and several RPDs were outside the QC limits. In sample BH-SB04(13-15)-061912, the quantitation limits for those compounds detected low were flagged “UJ” as estimated.

In the MS/MSD using sample BH-SB01(18-20)-061912 , several VOCs were detected high and outside the QC limits. Because these compounds were not detected in the sample, no qualification was required. One compound was detected slightly below the QC limit; no qualification was applied for this minor discrepancy.

7. Field Duplicate Results

There are two field duplicates associated with this work order for total VOC analysis: BH-SS05(0-2)-061912D and BH-SB06(13-15)-061912D. There was good correlation between the field duplicate and parent sample results.

8. Overall Assessment

The laboratory flagged results detected below the reporting limit with a “J”. These results should be considered estimated.

The VOC data are acceptable for use as qualified based on the information received.

TCLP VOCs by SW-846 METHODS 1311 AND 8260B

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
BH-IDW-062012	MC11638-17	Soil	6/20/2012	6/30/2012

2. Holding Times

The sample was analyzed within the required holding time limit of 14 days from sample collection.

3. Blanks

A method blank was analyzed with the TCLP VOC analysis and was free of target compound contamination above the reporting limit.

4. Surrogate Results

The surrogate recovery results were within the laboratory-established QC limits.

5. LCS Results

The LCS recoveries were within laboratory QC limits.

6. MS Results

A site-specific MS/MSD were not analyzed with this work order for TCLP VOCs.

7. Overall Assessment

The TCLP VOC data are acceptable for use based on the information received.

SVOCs BY SW-846 METHOD 8270C

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
BH-SS01(0-2)-061912	MC11638-1	Soil	6/19/2012	6/25/2012	6/25/2012
BH-SB01(18-20)-061912	MC11638-2	Soil	6/19/2012	6/25/2012	6/25/2012
BH-SS02(0-2)-061912	MC11638-3	Soil	6/19/2012	6/25/2012	6/25/2012
BH-SB02(18-20)-061912	MC11638-4	Soil	6/19/2012	6/25/2012	6/25/2012
BH-SS03(0-2)-061912	MC11638-5	Soil	6/19/2012	6/25/2012	6/25/2012
BH-SB03(18-20)-061912	MC11638-6	Soil	6/19/2012	6/25/2012	6/25/2012
BH-SS04(0-2)-061912	MC11638-7	Soil	6/19/2012	6/25/2012	6/26/2012
BH-SB04(13-15)-061912	MC11638-8	Soil	6/19/2012	6/25/2012	6/26/2012
BH-SS05(0-2)-061912	MC11638-9	Soil	6/19/2012	6/25/2012	6/27/2012
BH-SS05(0-2)-061912D	MC11638-10	Soil	6/19/2012	6/25/2012	6/26/2012
BH-SB05(15-17)-061912	MC11638-11	Soil	6/19/2012	6/25/2012	6/27/2012
BH-SS06(0-2)-061912	MC11638-12	Soil	6/19/2012	6/25/2012	6/27/2012
BH-SB06(13-15)-061912	MC11638-13	Soil	6/19/2012	6/25/2012	6/27/2012
BH-SB06(13-15)-061912D	MC11638-14	Soil	6/19/2012	6/25/2012	6/27/2012

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis.

3. Blanks

A method blank was analyzed with the SVOC analyses. The method blank was free of target compound contamination above the reporting limits.

4. Surrogate Results

The surrogate recoveries were within the laboratory-established QC limits.

5. LCS Results

The percent recoveries for the LCS results were within the laboratory-established QC limits.

6. MS and MSD Results

A site-specific MS and MSD were analyzed using sample BH-SB04(13-15)-061912 as the spiked sample. The percent recoveries and RPDs were with QC limits except for as follows.

Some of the MS and MSD recoveries were low and RPDs were exceeded indicating matrix interference in this sample. In sample BH-SB04(13-15)-061912 and for those compounds detected low in the MS/MSD, the quantitation limits were flagged "UJ" as estimated

7. Field Duplicate Results

There are two field duplicates associated with this work order for total VOC analysis: BH-SS05(0-2)-061912D and BH-SB06(13-15)-061912D.

For field duplicate sample BH-SS05(0-2)-061912D, several compounds were detected below the reporting limit in both the field duplicate and parent sample. These results are considered estimated and therefore, RPDs were not calculated.

In field duplicate sample BH-SB06(13-15)-061912D, pyrene was detected in one sample but not the other. There appears to be some sample heterogeneity associated with pyrene in this field duplicate pair.

8. Overall Assessment

For results detected below the reporting limit, the laboratory flagged the results with a "J" to indicate that the result is estimated. These flags are accepted.

The SVOC data are acceptable for use as qualified based on the information received.

TCLP SVOCs BY SW-846 METHODS 1311 AND 8270C

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
BH-IDW-062012	MC11638-17	Soil	6/20/2012	6/27/2012	6/28/2012

2. Holding Times

The sample was analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis.

3. Blanks

A method blank was analyzed with the TCLP SVOC analysis and was free of target compound contamination above the reporting limits.

4. Surrogate Results

The surrogate recoveries were within the laboratory-established QC limits.

5. LCS Results

The percent recoveries for the LCS results were within the laboratory-established QC limits.

6. MS and MSD Results

A site-specific MS was analyzed using sample BH-IDW-062012 as the spiked sample. The percent recoveries were with QC limits.

7. Overall Assessment

The TCLP SVOC data are acceptable for use based on the information received.

PCBs BY U.S. EPA SW-846 METHOD 8082

1. Samples

The following table summarizes the samples for which this data validation was conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
BH-SS05(0-2)-061912	MC11638-9	Soil	6/19/2012	6/22/2012	6/25/2012
BH-SB05(15-17)-061912	MC11638-11	Soil	6/19/2012	6/22/2012	6/26/2012

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis.

3. Blanks

A method blank was analyzed with the PCB analyses. The method blank was free of target compound contamination above the reporting limit.

4. Surrogates

The surrogate recoveries were within QC limits.

5. LCS Results

The LCS recoveries were within the laboratory-established QC limits.

6. MS and MSD Results

A site-specific MS and MSD were analyzed using sample BH-SS05(0-2)-061912 as the spiked sample. The percent recoveries and RPDs were with QC limits.

7. Overall Assessment

The PCB data are acceptable for use based on the information received.

PESTICIDES BY U.S. EPA SW-846 METHOD 8081

1. Samples

The following table summarizes the samples for which this data validation was conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
BH-SS05(0-2)-061912	MC11638-9	Soil	6/19/2012	6/22/2012	6/30/2012
BH-SB05(15-17)-061912	MC11638-11	Soil	6/19/2012	6/28/2012	7/3/2012

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis.

3. Blanks

A method blank was analyzed with the pesticide analyses. The method blank was free of target compound contamination above the reporting limit.

4. Surrogates

The surrogate recoveries were within QC limits except for as follows. One of the two surrogates was detected high in each sample. Because pesticides were not detected, no qualifications were warranted.

5. LCS Results

The LCS recoveries were within the laboratory-established QC limits.

6. MS and MSD Results

A site-specific MS and MSD were analyzed using samples BH-SS05(0-2)-061912 and BH-SS05(15-17)-061912 as the spiked samples. The percent recoveries and RPDs were with QC limits.

7. Overall Assessment

The pesticide data are acceptable for use based on the information received.

TPH AS DRO AND GRO BY U.S. EPA SW-846 METHOD 8015

1. Samples

The following table summarizes the samples for which this data validation was conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
BH-SS05(0-2)-061912	MC11638-9	Soil	6/19/2012	6/25/2012	6/23/2012 – 6/25/2012
BH-SB05(15-17)-061912	MC11638-11	Soil	6/19/2012	6/26/2012	6/23/2012 – 6/29/2012

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis for DRO and 14 days from sample collection for GRO.

3. Blanks

Method blanks were analyzed with the TPH analyses and were free of target compound contamination above the reporting limit.

4. Surrogates

The surrogate recoveries were within QC limits.

5. LCS Results

The LCS and LCSD recoveries and RPDs were within the laboratory-established QC limits.

6. MS and MSD Results

Site-specific MS and MSDs were not analyzed with the TPH analysis. No qualifications required.

7. **Overall Assessment**

For results detected below the reporting limit, the laboratory flagged the results with a “J” to indicate that the result is estimated. These flags are accepted.

The TPH and ethylene glycol data are acceptable for use based on the information received.

TOTAL METALS BY SW-846 METHODS 6010C AND 7471B

1. **Samples**

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
BH-SS01(0-2)-061912	MC11638-1	Soil	6/19/2012	6/25/2012 – 6/26/2012
BH-SB01(18-20)-061912	MC11638-2	Soil	6/19/2012	6/25/2012 – 6/26/2012
BH-SS02(0-2)-061912	MC11638-3	Soil	6/19/2012	6/26/2012 – 6/29/2012
BH-SB02(18-20)-061912	MC11638-4	Soil	6/19/2012	6/26/2012 – 6/29/2012
BH-SS03(0-2)-061912	MC11638-5	Soil	6/19/2012	6/26/2012 – 6/29/2012
BH-SB03(18-20)-061912	MC11638-6	Soil	6/19/2012	6/26/2012 – 6/29/2012
BH-SS04(0-2)-061912	MC11638-7	Soil	6/19/2012	6/28/2012 – 6/29/2012
BH-SB04(13-15)-061912	MC11638-8	Soil	6/19/2012	6/28/2012 – 6/29/2012
BH-SS05(0-2)-061912	MC11638-9	Soil	6/19/2012	6/28/2012 – 6/29/2012
BH-SS05(0-2)-061912D	MC11638-10	Soil	6/19/2012	6/28/2012 – 6/29/2012
BH-SB05(15-17)-061912	MC11638-11	Soil	6/19/2012	6/28/2012 – 6/29/2012
BH-SS06(0-2)-061912	MC11638-12	Soil	6/19/2012	6/28/2012 – 6/29/2012
BH-SB06(13-15)-061912	MC11638-13	Soil	6/19/2012	6/28/2012 – 6/29/2012
BH-SB06(13-15)-061912D	MC11638-14	Soil	6/19/2012	6/28/2012 – 6/29/2012

2. **Holding Times**

The samples were analyzed within the required holding time limit of 28 days from sample collection to analysis for mercury and 180 days from sample collection to analysis for all other metals.

3. **Blank Results**

Method blanks were analyzed with the metals analysis. The blanks were free of target analyte contamination above the reporting limits.

4. LCS Results

The LCS and LCSD recoveries and RPDs were within the laboratory-established QC limits.

5. MS and MSD Results

Site-specific MS and MSDs were analyzed using sample BH-SB04(13-15)-061912 as the spiked sample. The percent recoveries and RPDs were with QC limits except for as follows.

Some of the metals could not be adequately recovered because the spike amount was much less (more than four times less) than the sample concentrations. No qualifications are required in these instances.

Antimony was detected low. In sample BH-SB04(13-15)-061912, the quantitation limit for antimony was flagged “UJ” as estimated.

6. Field Duplicate Results

There are two field duplicates associated with this work order for total VOC analysis: BH-SS05(0-2)-061912D and BH-SB06(13-15)-061912D. The RPDs were calculated for detected metals.

The majority of RPDs were less than a standard QC limit of 50 percent for most metals. The exceptions were barium in field duplicate BH-SS05(0-2)-061912D, and calcium and manganese in field duplicate BH-SB06(13-15)-061912D. In general, there was good correlation between the field duplicate and parent sample.

7. Overall Assessment

For results detected below the reporting limit, the laboratory flagged the results with a “B” to indicate that the result is estimated. These flags are accepted.

The metals data are acceptable for use as qualified based on the information received.

TCLP METALS BY SW-846 METHODS 1311, 6010C, AND 7470A

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
BH-SS01(0-2)-061912	MC11638-1	Soil	6/19/2012	6/27/2012 – 6/28/2012
BH-SB01(18-20)-061912	MC11638-2	Soil	6/19/2012	6/27/2012 – 6/28/2012
BH-SS02(0-2)-061912	MC11638-3	Soil	6/19/2012	6/27/2012 – 6/28/2012
BH-SB02(18-20)-061912	MC11638-4	Soil	6/19/2012	6/27/2012 – 6/28/2012
BH-SS03(0-2)-061912	MC11638-5	Soil	6/19/2012	6/27/2012 – 6/28/2012
BH-SB03(18-20)-061912	MC11638-6	Soil	6/19/2012	6/27/2012 – 6/28/2012
BH-SS04(0-2)-061912	MC11638-7	Soil	6/19/2012	6/27/2012 – 6/28/2012
BH-SB04(13-15)-061912	MC11638-8	Soil	6/19/2012	6/27/2012 – 6/28/2012
BH-SS05(0-2)-061912	MC11638-9	Soil	6/19/2012	6/27/2012 – 6/28/2012
BH-SS05(0-2)-061912D	MC11638-10	Soil	6/19/2012	6/27/2012 – 6/28/2012
BH-SB05(15-17)-061912	MC11638-11	Soil	6/19/2012	6/27/2012 – 6/28/2012
BH-SS06(0-2)-061912	MC11638-12	Soil	6/19/2012	6/27/2012 – 6/28/2012
BH-SB06(13-15)-061912	MC11638-13	Soil	6/19/2012	6/27/2012 – 6/28/2012
BH-SB06(13-15)-061912D	MC11638-14	Soil	6/19/2012	6/27/2012 – 6/28/2012
BH-IDW-062012	MC11638-17	Soil	6/20/2012	6/27/2012 – 6/28/2012

2. Holding Times

The samples were analyzed within the required holding time limit of 28 days from sample collection to analysis for mercury and 180 days from sample collection to analysis for all other metals.

3. Blank Results

Method blanks were analyzed with the metals analysis. The blanks were free of target analyte contamination above the reporting limits.

4. LCS Results

The LCS and LCS duplicate recoveries and RPDs were within the laboratory-established QC limits for target analytes.

5. MS and MSD Results

Site-specific MS and MSD were analyzed. The percent recoveries and RPDs were with QC limits.

6. Field Duplicate Results

There are two field duplicates associated with this work order for total VOC analysis: BH-SS05(0-2)-061912D and BH-SB06(13-15)-061912D. The RPDs were calculated for detected metals.

The RPDs were elevated above a standard QC limit of 50 percent; however, all TCLP metals were detected below the reporting limit and are considered estimated. Therefore, it cannot be ascertained whether the high RPDs are due to sample heterogeneity or are due to the statistical uncertainty of the quantification of results detected below the reporting limit.

7. Overall Assessment

For results detected below the reporting limit, the laboratory flagged the results with a “B” to indicate that the result is estimated. These flags are accepted.

The TCLP metals data are acceptable for use as qualified based on the information received.

GENERAL CHEMISTRY PARAMETERS (Cyanide by SW-846 9012M, pH by SW-846 9045, Flashpoint by SW-846 1010, Percent Moisture by SM 2540B, FOC by ASTM D2974)

1. Samples

The following table summarizes the samples for which this data validation is being conducted. All samples were analyzed for cyanide, pH and moisture. Only a select set of samples were analyzed for flashpoint and FOC.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
BH-SS01(0-2)-061912	MC11638-1	Soil	6/19/2012	6/22/2012 – 6/28/2012
BH-SB01(18-20)-061912	MC11638-2	Soil	6/19/2012	6/22/2012 – 6/28/2012
BH-SS02(0-2)-061912	MC11638-3	Soil	6/19/2012	6/22/2012 – 6/28/2012
BH-SB02(18-20)-061912	MC11638-4	Soil	6/19/2012	6/22/2012 – 6/28/2012
BH-SS03(0-2)-061912	MC11638-5	Soil	6/19/2012	6/22/2012 – 6/28/2012
BH-SB03(18-20)-061912	MC11638-6	Soil	6/19/2012	6/22/2012 – 6/28/2012
BH-SS04(0-2)-061912	MC11638-7	Soil	6/19/2012	6/22/2012 – 6/28/2012
BH-SB04(13-15)-061912	MC11638-8	Soil	6/19/2012	6/22/2012 – 6/28/2012
BH-SS05(0-2)-061912	MC11638-9	Soil	6/19/2012	6/22/2012 – 6/28/2012
BH-SS05(0-2)-061912D	MC11638-10	Soil	6/19/2012	6/22/2012 – 6/28/2012
BH-SB05(15-17)-061912	MC11638-11	Soil	6/19/2012	6/22/2012 – 6/28/2012
BH-SS06(0-2)-061912	MC11638-12	Soil	6/19/2012	6/22/2012 – 6/28/2012
BH-SB06(13-15)-061912	MC11638-13	Soil	6/19/2012	6/22/2012 – 6/28/2012
BH-SB06(13-15)-061912D	MC11638-14	Soil	6/19/2012	6/22/2012 – 6/28/2012
BH-IDW-062012	MC11638-17	Soil	6/20/2012	6/22/2012 – 6/28/2012

2. Holding Times

The samples were analyzed within the required holding time limits.

3. Blank Results

Method blanks were analyzed with the FOC and cyanide analyses. The blanks were free of target analyte contamination above the reporting limits.

4. LCS Results

An LCS was analyzed with the cyanide analysis. The LCS recovery was within the laboratory-established QC limits.

Data Validation Report
Blackhawk Drive Site
Accutest Laboratories
Laboratory Project #: MC11638

5. MS Results

A site-specific MS was analyzed with the cyanide analysis. The percent recovery was within QC limits.

6. Laboratory Duplicate Results

Laboratory duplicates were analyzed with all analyses. The RPDs were within the laboratory-specific QC limit.

7. Field Duplicate Results

For detected results, the RPDs for field duplicate results were less than a standard QC limit of 50 percent which is acceptable.

8. Overall Assessment

The general chemistry parameters are acceptable for use based on the information received.

Data Validation Report
Blackhawk Drive Site
Accutest Laboratories
Laboratory Project #: MC11638

ATTACHMENT

**ACCUTEST ANALYTICAL SERVICES, INC.
RESULTS SUMMARY WITH QUALIFIERS**

Report of Analysis

Client Sample ID:	BH-SS01(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-1	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.4
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M49092.D	1	06/26/12	AMY	n/a	n/a	MSM1644
Run #2							

	Initial Weight	Final Volume
Run #1	6.12 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	4.8	4.8	ug/kg	
71-43-2	Benzene	ND	0.48	0.12	ug/kg	
75-27-4	Bromodichloromethane	ND	1.9	0.20	ug/kg	
75-25-2	Bromoform	ND	1.9	0.45	ug/kg	
74-83-9	Bromomethane	ND	1.9	0.65	ug/kg	
78-93-3	2-Butanone (MEK)	ND	4.8	1.1	ug/kg	
75-15-0	Carbon disulfide	ND	4.8	0.93	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.9	0.21	ug/kg	
108-90-7	Chlorobenzene	ND	1.9	0.090	ug/kg	
75-00-3	Chloroethane	ND	4.8	0.25	ug/kg	
67-66-3	Chloroform	ND	1.9	0.14	ug/kg	
74-87-3	Chloromethane	ND	4.8	0.21	ug/kg	
124-48-1	Dibromochloromethane	ND	1.9	0.62	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.9	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.9	0.14	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.9	0.30	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.9	0.26	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.9	0.24	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.9	0.22	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.9	0.95	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.65	ug/kg	
100-41-4	Ethylbenzene	ND	1.9	0.12	ug/kg	
591-78-6	2-Hexanone	ND	4.8	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.8	0.80	ug/kg	
75-09-2	Methylene chloride	ND	1.9	0.35	ug/kg	
100-42-5	Styrene	ND	4.8	0.48	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.9	0.17	ug/kg	
127-18-4	Tetrachloroethene	ND	1.9	0.16	ug/kg	
108-88-3	Toluene	ND	4.8	0.17	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.9	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.9	0.24	ug/kg	
79-01-6	Trichloroethene	ND	1.9	0.19	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS01(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-1	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.4
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.9	0.62	ug/kg	
1330-20-7	Xylene (total)	ND	1.9	0.12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		70-130%
2037-26-5	Toluene-D8	84%		70-130%
460-00-4	4-Bromofluorobenzene	84%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS01(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-1	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.4
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I78887.D	10	06/25/12	NS	06/25/12	OP29365	MSI2926
Run #2							

	Initial Weight	Final Volume
Run #1	20.8 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	2800	150	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	5600	200	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	5600	330	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	5600	560	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	11000	2800	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	5600	2800	ug/kg	
95-48-7	2-Methylphenol	ND	5600	160	ug/kg	
	3&4-Methylphenol	ND	5600	300	ug/kg	
88-75-5	2-Nitrophenol	ND	5600	340	ug/kg	
100-02-7	4-Nitrophenol	ND	11000	2800	ug/kg	
87-86-5	Pentachlorophenol	ND	5600	520	ug/kg	
108-95-2	Phenol	ND	2800	470	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	5600	420	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	5600	390	ug/kg	
83-32-9	Acenaphthene	ND	1100	240	ug/kg	
208-96-8	Acenaphthylene	ND	1100	210	ug/kg	
120-12-7	Anthracene	ND	1100	220	ug/kg	
56-55-3	Benzo(a)anthracene	302	1100	100	ug/kg	J
50-32-8	Benzo(a)pyrene	322	1100	170	ug/kg	J
205-99-2	Benzo(b)fluoranthene	432	1100	330	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	ND	1100	180	ug/kg	
207-08-9	Benzo(k)fluoranthene	157	1100	83	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	2800	230	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	2800	120	ug/kg	
91-58-7	2-Chloronaphthalene	ND	2800	240	ug/kg	
106-47-8	4-Chloroaniline	ND	5600	1400	ug/kg	
86-74-8	Carbazole	ND	1100	220	ug/kg	
218-01-9	Chrysene	311	1100	92	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	2800	220	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	2800	60	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2800	270	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2800	250	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SS01(0-2)-061912

Lab Sample ID: MC11638-1

Date Sampled: 06/19/12

Matrix: SO - Soil

Date Received: 06/21/12

Method: SW846 8270C SW846 3546

Percent Solids: 85.4

Project: Blackhawk Drive - BA, Forest Park, IL

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	2800	230	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2800	230	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2800	230	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	5600	1400	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	5600	270	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	2800	67	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	1100	180	ug/kg	
132-64-9	Dibenzofuran	ND	1100	240	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	2800	260	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	2800	150	ug/kg	
84-66-2	Diethyl phthalate	ND	2800	240	ug/kg	
131-11-3	Dimethyl phthalate	ND	2800	200	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2800	190	ug/kg	
206-44-0	Fluoranthene	560	1100	96	ug/kg	J
86-73-7	Fluorene	ND	1100	62	ug/kg	
118-74-1	Hexachlorobenzene	ND	2800	240	ug/kg	
87-68-3	Hexachlorobutadiene	ND	2800	220	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	5600	38	ug/kg	
67-72-1	Hexachloroethane	ND	2800	230	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	228	1100	170	ug/kg	J
78-59-1	Isophorone	ND	2800	280	ug/kg	
91-57-6	2-Methylnaphthalene	ND	1100	240	ug/kg	
88-74-4	2-Nitroaniline	ND	5600	1400	ug/kg	
99-09-2	3-Nitroaniline	ND	5600	1400	ug/kg	
100-01-6	4-Nitroaniline	ND	5600	210	ug/kg	
91-20-3	Naphthalene	ND	1100	65	ug/kg	
98-95-3	Nitrobenzene	ND	2800	83	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	2800	180	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	2800	150	ug/kg	
85-01-8	Phenanthrene	309	1100	73	ug/kg	J
129-00-0	Pyrene	399	1100	91	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	2800	240	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	52%		30-130%
4165-62-2	Phenol-d5	42%		30-130%
118-79-6	2,4,6-Tribromophenol	50%		30-130%
4165-60-0	Nitrobenzene-d5	52%		30-130%
321-60-8	2-Fluorobiphenyl	55%		30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS01(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-1	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.4
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	72%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SS01(0-2)-061912

Lab Sample ID: MC11638-1

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 85.4

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	8370	22	2.5	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Antimony	0.15 U	1.1	0.15	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Arsenic	5.2	1.1	0.18	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Barium	40.5	5.4	0.076	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Beryllium	0.41 B	0.43	0.043	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Cadmium	0.11 B	0.43	0.024	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Calcium	83700	540	1.8	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Chromium	12.1	1.1	0.12	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Cobalt	6.6	5.4	0.043	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Copper	35.4	2.7	0.18	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Iron	13100	11	2.0	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Lead	16.0	1.1	0.22	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Magnesium	51100	540	4.3	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Manganese	353	1.6	0.28	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Mercury	0.030 B	0.037	0.013	mg/kg	1	06/22/12	06/25/12 EM	SW846 7471B ¹	SW846 7471B ³
Nickel	16.1	4.3	0.064	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Potassium	1700	540	6.3	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Selenium	0.16 U	1.1	0.16	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Silver	0.085 U	0.54	0.085	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Sodium	135 B	540	2.9	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Thallium	0.26 B	1.1	0.13	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Vanadium	17.7	1.1	0.13	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Zinc	44.2	2.2	0.27	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴

(1) Instrument QC Batch: MA14406

(2) Instrument QC Batch: MA14417

(3) Prep QC Batch: MP19211

(4) Prep QC Batch: MP19214

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SS01(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-1	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.4
Project:	Blackhawk Drive - BA, Forest Park, IL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.13	0.13	mg/kg	1	06/28/12 13:13	MA	SW846 9012 M
Solids, Percent	85.4		%	1	06/22/12	HS	SM21 2540 B MOD.
Total Organic Content	12.9	0.010	%	1	06/26/12	MA	ASTM D2974
pH	7.8		su	1	06/22/12	CF	SW846 9045

RL = Reporting Limit

Report of Analysis

Client Sample ID: BH-SS01(0-2)-061912

Lab Sample ID: MC11638-1A

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 85.4

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0019 U	D004	5.0	0.010	0.0019	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Barium	0.49 B	D005	100	0.50	0.00065	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Cadmium	0.00080 B	D006	1.0	0.0040	0.00021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Chromium	0.0022 B	D007	5.0	0.010	0.0011	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Lead	0.0021 U	D008	5.0	0.010	0.0021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Mercury	0.000062 U	D009	0.20	0.00020	0.000062	mg/l	1	06/27/12	06/28/12	EM SW846 7470A ¹
Selenium	0.0084 B	D010	1.0	0.025	0.0020	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Silver	0.0013 U	D011	5.0	0.0050	0.0013	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²

(1) Instrument QC Batch: MA14418

(2) Instrument QC Batch: MA14421

(3) Prep QC Batch: MP19224

(4) Prep QC Batch: MP19233

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261.6/96)

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SB01(18-20)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-2	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	82.3
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M49116.D	1	06/27/12	AMY	n/a	n/a	MSM1645
Run #2							

Run #	Initial Weight	Final Volume
Run #1	9.61 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	11.1	3.2	3.2	ug/kg	
71-43-2	Benzene	ND	0.32	0.079	ug/kg	
75-27-4	Bromodichloromethane	ND	1.3	0.13	ug/kg	
75-25-2	Bromoform	ND	1.3	0.30	ug/kg	
74-83-9	Bromomethane	ND	1.3	0.43	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3.2	0.75	ug/kg	
75-15-0	Carbon disulfide	ND	3.2	0.61	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.3	0.14	ug/kg	
108-90-7	Chlorobenzene	ND	1.3	0.059	ug/kg	
75-00-3	Chloroethane	ND	3.2	0.16	ug/kg	
67-66-3	Chloroform	ND	1.3	0.094	ug/kg	
74-87-3	Chloromethane	ND	3.2	0.14	ug/kg	
124-48-1	Dibromochloromethane	ND	1.3	0.41	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.3	0.096	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.092	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.3	0.20	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.3	0.17	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.3	0.16	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.3	0.14	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.3	0.63	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.3	0.43	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.082	ug/kg	
591-78-6	2-Hexanone	ND	3.2	0.66	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	3.2	0.53	ug/kg	
75-09-2	Methylene chloride	ND	1.3	0.23	ug/kg	
100-42-5	Styrene	ND	3.2	0.32	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.3	0.11	ug/kg	
127-18-4	Tetrachloroethene	ND	1.3	0.11	ug/kg	
108-88-3	Toluene	ND	3.2	0.11	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.3	0.12	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.3	0.16	ug/kg	
79-01-6	Trichloroethene	ND	1.3	0.12	ug/kg	

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB01(18-20)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-2	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	82.3
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.3	0.41	ug/kg	
1330-20-7	Xylene (total)	ND	1.3	0.080	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	83%		70-130%
2037-26-5	Toluene-D8	82%		70-130%
460-00-4	4-Bromofluorobenzene	80%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB01(18-20)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-2	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	82.3
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I78888.D	1	06/25/12	NS	06/25/12	OP29365	MSI2926
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.3 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	300	16	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	600	21	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	600	35	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	600	60	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1200	300	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	600	300	ug/kg	
95-48-7	2-Methylphenol	ND	600	17	ug/kg	
	3&4-Methylphenol	ND	600	32	ug/kg	
88-75-5	2-Nitrophenol	ND	600	36	ug/kg	
100-02-7	4-Nitrophenol	ND	1200	300	ug/kg	
87-86-5	Pentachlorophenol	ND	600	56	ug/kg	
108-95-2	Phenol	ND	300	50	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	600	45	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	600	41	ug/kg	
83-32-9	Acenaphthene	ND	120	25	ug/kg	
208-96-8	Acenaphthylene	ND	120	22	ug/kg	
120-12-7	Anthracene	ND	120	24	ug/kg	
56-55-3	Benzo(a)anthracene	ND	120	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	120	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	120	35	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	120	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	120	8.8	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	300	24	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	300	13	ug/kg	
91-58-7	2-Chloronaphthalene	ND	300	25	ug/kg	
106-47-8	4-Chloroaniline	ND	600	150	ug/kg	
86-74-8	Carbazole	ND	120	23	ug/kg	
218-01-9	Chrysene	ND	120	9.7	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	300	23	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	300	6.4	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	300	28	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	300	27	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB01(18-20)-061912

Lab Sample ID: MC11638-2

Date Sampled: 06/19/12

Matrix: SO - Soil

Date Received: 06/21/12

Method: SW846 8270C SW846 3546

Percent Solids: 82.3

Project: Blackhawk Drive - BA, Forest Park, IL

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	300	24	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	300	25	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	300	25	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	600	150	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	600	29	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	300	7.2	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	120	19	ug/kg	
132-64-9	Dibenzofuran	ND	120	25	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	300	27	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	300	16	ug/kg	
84-66-2	Diethyl phthalate	ND	300	26	ug/kg	
131-11-3	Dimethyl phthalate	ND	300	21	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	166	300	21	ug/kg	J
206-44-0	Fluoranthene	ND	120	10	ug/kg	
86-73-7	Fluorene	ND	120	6.6	ug/kg	
118-74-1	Hexachlorobenzene	ND	300	26	ug/kg	
87-68-3	Hexachlorobutadiene	ND	300	23	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	600	4.0	ug/kg	
67-72-1	Hexachloroethane	ND	300	24	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	120	18	ug/kg	
78-59-1	Isophorone	ND	300	30	ug/kg	
91-57-6	2-Methylnaphthalene	ND	120	25	ug/kg	
88-74-4	2-Nitroaniline	ND	600	150	ug/kg	
99-09-2	3-Nitroaniline	ND	600	150	ug/kg	
100-01-6	4-Nitroaniline	ND	600	22	ug/kg	
91-20-3	Naphthalene	ND	120	6.9	ug/kg	
98-95-3	Nitrobenzene	ND	300	8.8	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	300	19	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	300	16	ug/kg	
85-01-8	Phenanthrene	ND	120	7.7	ug/kg	
129-00-0	Pyrene	ND	120	9.6	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	300	26	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	68%		30-130%
4165-62-2	Phenol-d5	64%		30-130%
118-79-6	2,4,6-Tribromophenol	62%		30-130%
4165-60-0	Nitrobenzene-d5	69%		30-130%
321-60-8	2-Fluorobiphenyl	70%		30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB01(18-20)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-2	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	82.3
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	90%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB01(18-20)-061912

Lab Sample ID: MC11638-2

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 82.3

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	11300	22	2.5	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Antimony	0.15 U	1.1	0.15	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Arsenic	2.4	1.1	0.19	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Barium	39.9	5.5	0.077	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Beryllium	0.59	0.44	0.044	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Cadmium	0.024 U	0.44	0.024	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Calcium	44700	550	1.9	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Chromium	19.4	1.1	0.12	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Cobalt	9.6	5.5	0.044	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Copper	16.4	2.8	0.19	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Iron	20000	11	2.0	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Lead	10.2	1.1	0.22	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Magnesium	23000	550	4.4	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Manganese	414	1.7	0.29	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Mercury	0.027	0.026	0.0093	mg/kg	1	06/22/12	06/25/12 EM	SW846 7471B ¹	SW846 7471B ³
Nickel	26.2	4.4	0.065	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Potassium	3080	550	6.4	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Selenium	0.17 U	1.1	0.17	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Silver	0.086 U	0.55	0.086	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Sodium	130 B	550	3.0	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Thallium	0.13 U	1.1	0.13	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Vanadium	20.2	1.1	0.13	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Zinc	44.9	2.2	0.28	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴

(1) Instrument QC Batch: MA14406

(2) Instrument QC Batch: MA14417

(3) Prep QC Batch: MP19211

(4) Prep QC Batch: MP19214

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: BH-SB01(18-20)-061912**Lab Sample ID:** MC11638-2**Matrix:** SO - Soil**Project:** Blackhawk Drive - BA, Forest Park, IL**Date Sampled:** 06/19/12**Date Received:** 06/21/12**Percent Solids:** 82.3

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.14	0.14	mg/kg	1	06/28/12 13:16	MA	SW846 9012 M
Solids, Percent	82.3		%	1	06/22/12	HS	SM21 2540 B MOD.
Total Organic Content	14.3	0.010	%	1	06/26/12	MA	ASTM D2974
pH	7.8		su	1	06/22/12	CF	SW846 9045

RL = Reporting Limit

Report of Analysis

Client Sample ID: BH-SB01(18-20)-061912

Lab Sample ID: MC11638-2A

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 82.3

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0019 U	D004	5.0	0.010	0.0019	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Barium	0.65	D005	100	0.50	0.00065	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Cadmium	0.0015 B	D006	1.0	0.0040	0.00021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Chromium	0.0011 U	D007	5.0	0.010	0.0011	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Lead	0.0059 B	D008	5.0	0.010	0.0021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Mercury	0.000062 U	D009	0.20	0.00020	0.000062	mg/l	1	06/27/12	06/28/12	EM SW846 7470A ¹
Selenium	0.0082 B	D010	1.0	0.025	0.0020	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Silver	0.0013 U	D011	5.0	0.0050	0.0013	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²

(1) Instrument QC Batch: MA14418

(2) Instrument QC Batch: MA14421

(3) Prep QC Batch: MP19224

(4) Prep QC Batch: MP19233

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261.6(g))

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SS02(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-3	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	94.7
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M49097.D	1	06/26/12	AMY	n/a	n/a	MSM1644
Run #2	K60687.D	1	06/28/12	GK	n/a	n/a	MSK2034

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.50 g	5.0 ml	
Run #2	6.65 g	10.0 ml	200 ul

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND ^a	210	210	ug/kg	
71-43-2	Benzene	ND	0.41	0.10	ug/kg	
75-27-4	Bromodichloromethane	ND	1.6	0.17	ug/kg	
75-25-2	Bromoform	ND	1.6	0.38	ug/kg	
74-83-9	Bromomethane	ND	1.6	0.55	ug/kg	
78-93-3	2-Butanone (MEK)	ND	4.1	0.97	ug/kg	
75-15-0	Carbon disulfide	1.3	4.1	0.79	ug/kg	J
56-23-5	Carbon tetrachloride	ND	1.6	0.18	ug/kg	
108-90-7	Chlorobenzene	ND	1.6	0.076	ug/kg	
75-00-3	Chloroethane	ND	4.1	0.21	ug/kg	
67-66-3	Chloroform	ND	1.6	0.12	ug/kg	
74-87-3	Chloromethane	ND	4.1	0.18	ug/kg	
124-48-1	Dibromochloromethane	ND	1.6	0.53	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.6	0.12	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.6	0.12	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.6	0.26	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	0.22	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	0.20	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.6	0.19	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	0.81	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	0.56	ug/kg	
100-41-4	Ethylbenzene	ND	1.6	0.11	ug/kg	
591-78-6	2-Hexanone	ND	4.1	0.85	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.1	0.68	ug/kg	
75-09-2	Methylene chloride	ND	1.6	0.29	ug/kg	
100-42-5	Styrene	ND	4.1	0.41	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	0.14	ug/kg	
127-18-4	Tetrachloroethene	ND	1.6	0.14	ug/kg	
108-88-3	Toluene	ND	4.1	0.15	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.6	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.6	0.21	ug/kg	
79-01-6	Trichloroethene	ND	1.6	0.16	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS02(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-3	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	94.7
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.6	0.52	ug/kg	
1330-20-7	Xylene (total)	ND	1.6	0.10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	82%	118%	70-130%
2037-26-5	Toluene-D8	81%	111%	70-130%
460-00-4	4-Bromofluorobenzene	94%	104%	70-130%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS02(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-3	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	94.7
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I78889.D	1	06/25/12	NS	06/25/12	OP29365	MSI2926
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.7 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	45.2	250	14	ug/kg	J
59-50-7	4-Chloro-3-methyl phenol	ND	510	18	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	510	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	510	51	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1000	250	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	510	250	ug/kg	
95-48-7	2-Methylphenol	ND	510	15	ug/kg	
	3&4-Methylphenol	ND	510	27	ug/kg	
88-75-5	2-Nitrophenol	ND	510	31	ug/kg	
100-02-7	4-Nitrophenol	ND	1000	250	ug/kg	
87-86-5	Pentachlorophenol	ND	510	47	ug/kg	
108-95-2	Phenol	ND	250	42	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	510	38	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	510	35	ug/kg	
83-32-9	Acenaphthene	ND	100	22	ug/kg	
208-96-8	Acenaphthylene	22.2	100	19	ug/kg	J
120-12-7	Anthracene	24.7	100	20	ug/kg	J
56-55-3	Benzo(a)anthracene	122	100	9.4	ug/kg	
50-32-8	Benzo(a)pyrene	138	100	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	196	100	30	ug/kg	
191-24-2	Benzo(g,h,i)perylene	117	100	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	80.9	100	7.5	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	250	21	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	250	11	ug/kg	
91-58-7	2-Chloronaphthalene	ND	250	21	ug/kg	
106-47-8	4-Chloroaniline	ND	510	130	ug/kg	
86-74-8	Carbazole	ND	100	20	ug/kg	
218-01-9	Chrysene	143	100	8.3	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	250	20	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	250	5.5	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	250	24	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	250	23	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SS02(0-2)-061912

Lab Sample ID: MC11638-3

Matrix: SO - Soil

Method: SW846 8270C SW846 3546

Project: Blackhawk Drive - BA, Forest Park, IL

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 94.7

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	250	21	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	250	21	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	250	21	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	510	130	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	510	25	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	250	6.1	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	100	17	ug/kg	
132-64-9	Dibenzofuran	ND	100	22	ug/kg	
84-74-2	Di-n-butyl phthalate	36.8	250	23	ug/kg	J
117-84-0	Di-n-octyl phthalate	ND	250	13	ug/kg	
84-66-2	Diethyl phthalate	ND	250	22	ug/kg	
131-11-3	Dimethyl phthalate	ND	250	18	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	250	18	ug/kg	
206-44-0	Fluoranthene	203	100	8.7	ug/kg	
86-73-7	Fluorene	ND	100	5.6	ug/kg	
118-74-1	Hexachlorobenzene	ND	250	22	ug/kg	
87-68-3	Hexachlorobutadiene	ND	250	20	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	510	3.4	ug/kg	
67-72-1	Hexachloroethane	ND	250	21	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	124	100	16	ug/kg	
78-59-1	Isophorone	ND	250	25	ug/kg	
91-57-6	2-Methylnaphthalene	ND	100	21	ug/kg	
88-74-4	2-Nitroaniline	ND	510	130	ug/kg	
99-09-2	3-Nitroaniline	ND	510	130	ug/kg	
100-01-6	4-Nitroaniline	ND	510	19	ug/kg	
91-20-3	Naphthalene	ND	100	5.9	ug/kg	
98-95-3	Nitrobenzene	ND	250	7.5	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	250	16	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	250	14	ug/kg	
85-01-8	Phenanthrene	78.9	100	6.6	ug/kg	J
129-00-0	Pyrene	179	100	8.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	250	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	55%		30-130%
4165-62-2	Phenol-d5	52%		30-130%
118-79-6	2,4,6-Tribromophenol	63%		30-130%
4165-60-0	Nitrobenzene-d5	59%		30-130%
321-60-8	2-Fluorobiphenyl	59%		30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS02(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-3	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	94.7
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	77%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SS02(0-2)-061912

Lab Sample ID: MC11638-3

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 94.7

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	3050	21	2.4	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Antimony	0.15 U	1.0	0.15	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Arsenic	2.8	1.0	0.18	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Barium	20.8	5.2	0.073	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Beryllium	0.15 B	0.42	0.042	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cadmium	0.14 B	0.42	0.023	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Calcium	148000	2600	8.9	mg/kg	5	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Chromium	5.2	1.0	0.12	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cobalt	3.4 B	5.2	0.042	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Copper	6.7	2.6	0.18	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Iron	6880	10	1.9	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Lead	15.7	1.0	0.21	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Magnesium	80700	520	4.2	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Manganese	235	1.6	0.27	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Mercury	0.012 U	0.032	0.012	mg/kg	1	06/28/12	06/29/12 EM	SW846 7471B ²	SW846 7471B ⁴
Nickel	7.0	4.2	0.062	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Potassium	796	520	6.1	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Selenium	0.16 U	1.0	0.16	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Silver	0.082 U	0.52	0.082	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Sodium	148 B	520	2.8	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Thallium	0.42 B	1.0	0.13	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Vanadium	7.2	1.0	0.13	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Zinc	22.3	2.1	0.26	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³

(1) Instrument QC Batch: MA14417

(2) Instrument QC Batch: MA14424

(3) Prep QC Batch: MP19214

(4) Prep QC Batch: MP19241

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SS02(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-3	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	94.7
Project:	Blackhawk Drive - BA, Forest Park, IL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.12	0.12	mg/kg	1	06/28/12 13:17	MA	SW846 9012 M
Solids, Percent	94.7		%	1	06/22/12	HS	SM21 2540 B MOD.
pH	7.9		su	1	06/22/12	CF	SW846 9045

RL = Reporting Limit

Report of Analysis

Client Sample ID: BH-SS02(0-2)-061912

Lab Sample ID: MC11638-3A

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 94.7

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0019 U	D004	5.0	0.010	0.0019	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Barium	0.32 B	D005	100	0.50	0.00065	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Cadmium	0.00080 B	D006	1.0	0.0040	0.00021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Chromium	0.0070 B	D007	5.0	0.010	0.0011	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Lead	0.0021 U	D008	5.0	0.010	0.0021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Mercury	0.000062 U	D009	0.20	0.00020	0.000062	mg/l	1	06/27/12	06/28/12	EM SW846 7470A ¹
Selenium	0.0080 B	D010	1.0	0.025	0.0020	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Silver	0.0013 U	D011	5.0	0.0050	0.0013	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²

(1) Instrument QC Batch: MA14418

(2) Instrument QC Batch: MA14421

(3) Prep QC Batch: MP19224

(4) Prep QC Batch: MP19233

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261.6/96)

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SB02(18-20)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-4	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	82.8
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M49117.D	1	06/27/12	AMY	n/a	n/a	MSM1645
Run #2							

Run #	Initial Weight	Final Volume
Run #1	9.07 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	15.1 U	3.3	3.3	ug/kg	
71-43-2	Benzene	ND	0.33	0.083	ug/kg	
75-27-4	Bromodichloromethane	ND	1.3	0.14	ug/kg	
75-25-2	Bromoform	ND	1.3	0.31	ug/kg	
74-83-9	Bromomethane	ND	1.3	0.45	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3.3	0.79	ug/kg	
75-15-0	Carbon disulfide	ND	3.3	0.64	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.3	0.15	ug/kg	
108-90-7	Chlorobenzene	ND	1.3	0.062	ug/kg	
75-00-3	Chloroethane	ND	3.3	0.17	ug/kg	
67-66-3	Chloroform	ND	1.3	0.099	ug/kg	
74-87-3	Chloromethane	ND	3.3	0.14	ug/kg	
124-48-1	Dibromochloromethane	ND	1.3	0.43	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.3	0.10	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.097	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.3	0.21	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.3	0.18	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.3	0.17	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.3	0.15	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.3	0.66	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.3	0.46	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.086	ug/kg	
591-78-6	2-Hexanone	ND	3.3	0.70	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	3.3	0.56	ug/kg	
75-09-2	Methylene chloride	ND	1.3	0.24	ug/kg	
100-42-5	Styrene	ND	3.3	0.33	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.3	0.12	ug/kg	
127-18-4	Tetrachloroethene	ND	1.3	0.11	ug/kg	
108-88-3	Toluene	ND	3.3	0.12	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.3	0.12	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.3	0.17	ug/kg	
79-01-6	Trichloroethene	ND	1.3	0.13	ug/kg	

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	BH-SB02(18-20)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-4	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	82.8
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.3	0.43	ug/kg	
1330-20-7	Xylene (total)	ND	1.3	0.084	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	81%		70-130%
2037-26-5	Toluene-D8	82%		70-130%
460-00-4	4-Bromofluorobenzene	80%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB02(18-20)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-4	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	82.8
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I78890.D	1	06/25/12	NS	06/25/12	OP29365	MSI2926
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.8 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	70.9	290	16	ug/kg	J
59-50-7	4-Chloro-3-methyl phenol	ND	580	20	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	580	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	580	58	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1200	290	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	580	290	ug/kg	
95-48-7	2-Methylphenol	ND	580	17	ug/kg	
	3&4-Methylphenol	ND	580	31	ug/kg	
88-75-5	2-Nitrophenol	ND	580	35	ug/kg	
100-02-7	4-Nitrophenol	ND	1200	290	ug/kg	
87-86-5	Pentachlorophenol	ND	580	54	ug/kg	
108-95-2	Phenol	ND	290	48	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	580	43	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	580	40	ug/kg	
83-32-9	Acenaphthene	ND	120	25	ug/kg	
208-96-8	Acenaphthylene	ND	120	22	ug/kg	
120-12-7	Anthracene	ND	120	23	ug/kg	
56-55-3	Benzo(a)anthracene	ND	120	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	120	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	120	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	120	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	120	8.6	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	290	24	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	290	12	ug/kg	
91-58-7	2-Chloronaphthalene	ND	290	24	ug/kg	
106-47-8	4-Chloroaniline	ND	580	150	ug/kg	
86-74-8	Carbazole	ND	120	23	ug/kg	
218-01-9	Chrysene	ND	120	9.5	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	290	23	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	290	6.2	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	290	28	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	290	26	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB02(18-20)-061912

Lab Sample ID: MC11638-4

Date Sampled: 06/19/12

Matrix: SO - Soil

Date Received: 06/21/12

Method: SW846 8270C SW846 3546

Percent Solids: 82.8

Project: Blackhawk Drive - BA, Forest Park, IL

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	290	23	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	290	24	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	290	24	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	580	150	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	580	28	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	290	7.0	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	120	19	ug/kg	
132-64-9	Dibenzofuran	ND	120	25	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	290	27	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	290	15	ug/kg	
84-66-2	Diethyl phthalate	ND	290	25	ug/kg	
131-11-3	Dimethyl phthalate	ND	290	20	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	290	20	ug/kg	
206-44-0	Fluoranthene	ND	120	9.9	ug/kg	
86-73-7	Fluorene	ND	120	6.4	ug/kg	
118-74-1	Hexachlorobenzene	ND	290	25	ug/kg	
87-68-3	Hexachlorobutadiene	ND	290	23	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	580	3.9	ug/kg	
67-72-1	Hexachloroethane	ND	290	24	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	120	18	ug/kg	
78-59-1	Isophorone	ND	290	29	ug/kg	
91-57-6	2-Methylnaphthalene	ND	120	24	ug/kg	
88-74-4	2-Nitroaniline	ND	580	150	ug/kg	
99-09-2	3-Nitroaniline	ND	580	150	ug/kg	
100-01-6	4-Nitroaniline	ND	580	22	ug/kg	
91-20-3	Naphthalene	ND	120	6.7	ug/kg	
98-95-3	Nitrobenzene	ND	290	8.6	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	290	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	290	15	ug/kg	
85-01-8	Phenanthrene	ND	120	7.5	ug/kg	
129-00-0	Pyrene	ND	120	9.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	290	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	48%		30-130%
4165-62-2	Phenol-d5	47%		30-130%
118-79-6	2,4,6-Tribromophenol	67%		30-130%
4165-60-0	Nitrobenzene-d5	48%		30-130%
321-60-8	2-Fluorobiphenyl	53%		30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB02(18-20)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-4	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	82.8
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	90%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB02(18-20)-061912

Lab Sample ID: MC11638-4

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 82.8

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	11500	19	2.2	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Antimony	0.13 U	0.96	0.13	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Arsenic	6.6	0.96	0.16	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Barium	42.2	4.8	0.067	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Beryllium	0.60	0.38	0.038	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cadmium	0.021 U	0.38	0.021	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Calcium	46900	480	1.6	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Chromium	19.3	0.96	0.11	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cobalt	9.5	4.8	0.038	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Copper	17.0	2.4	0.16	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Iron	19400	9.6	1.7	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Lead	10.6	0.96	0.19	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Magnesium	23900	480	3.8	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Manganese	394	1.4	0.25	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Mercury	0.014 U	0.038	0.014	mg/kg	1	06/28/12	06/29/12 EM	SW846 7471B ²	SW846 7471B ⁴
Nickel	25.6	3.8	0.057	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Potassium	3200	480	5.6	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Selenium	0.14 U	0.96	0.14	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Silver	0.075 U	0.48	0.075	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Sodium	136 B	480	2.6	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Thallium	0.24 B	0.96	0.12	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Vanadium	20.7	0.96	0.12	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Zinc	45.6	1.9	0.24	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³

(1) Instrument QC Batch: MA14417

(2) Instrument QC Batch: MA14424

(3) Prep QC Batch: MP19214

(4) Prep QC Batch: MP19241

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SB02(18-20)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-4	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	82.8
Project:	Blackhawk Drive - BA, Forest Park, IL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.13	0.13	mg/kg	1	06/28/12 13:18	MA	SW846 9012 M
Solids, Percent	82.8		%	1	06/22/12	HS	SM21 2540 B MOD.
pH	7.8		su	1	06/22/12	CF	SW846 9045

RL = Reporting Limit

Report of Analysis

Client Sample ID: BH-SB02(18-20)-061912

Lab Sample ID: MC11638-4A

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 82.8

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0019 U	D004	5.0	0.010	0.0019	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Barium	0.72	D005	100	0.50	0.00065	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Cadmium	0.0016 B	D006	1.0	0.0040	0.00021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Chromium	0.0024 B	D007	5.0	0.010	0.0011	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Lead	0.0021 U	D008	5.0	0.010	0.0021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Mercury	0.000062 U	D009	0.20	0.00020	0.000062	mg/l	1	06/27/12	06/28/12	EM SW846 7470A ¹
Selenium	0.0087 B	D010	1.0	0.025	0.0020	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Silver	0.0013 U	D011	5.0	0.0050	0.0013	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²

(1) Instrument QC Batch: MA14418

(2) Instrument QC Batch: MA14421

(3) Prep QC Batch: MP19224

(4) Prep QC Batch: MP19233

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261.6/96)

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SS03(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-5	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	82.7
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M49099.D	1	06/26/12	AMY	n/a	n/a	MSM1644
Run #2							

Run #	Initial Weight	Final Volume
Run #1	7.75 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	25.5 U	3.9	3.9	ug/kg	
71-43-2	Benzene	ND	0.39	0.098	ug/kg	
75-27-4	Bromodichloromethane	ND	1.6	0.16	ug/kg	
75-25-2	Bromoform	ND	1.6	0.37	ug/kg	
74-83-9	Bromomethane	ND	1.6	0.53	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3.9	0.93	ug/kg	
75-15-0	Carbon disulfide	4.8	3.9	0.76	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.6	0.17	ug/kg	
108-90-7	Chlorobenzene	ND	1.6	0.073	ug/kg	
75-00-3	Chloroethane	ND	3.9	0.20	ug/kg	
67-66-3	Chloroform	ND	1.6	0.12	ug/kg	
74-87-3	Chloromethane	ND	3.9	0.17	ug/kg	
124-48-1	Dibromochloromethane	ND	1.6	0.51	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.6	0.12	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.6	0.11	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.6	0.25	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	0.21	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	0.20	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.6	0.18	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	0.78	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	0.53	ug/kg	
100-41-4	Ethylbenzene	ND	1.6	0.10	ug/kg	
591-78-6	2-Hexanone	ND	3.9	0.82	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	3.9	0.66	ug/kg	
75-09-2	Methylene chloride	ND	1.6	0.28	ug/kg	
100-42-5	Styrene	ND	3.9	0.39	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	0.14	ug/kg	
127-18-4	Tetrachloroethene	ND	1.6	0.13	ug/kg	
108-88-3	Toluene	ND	3.9	0.14	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.6	0.14	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.6	0.20	ug/kg	
79-01-6	Trichloroethene	ND	1.6	0.15	ug/kg	

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS03(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-5	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	82.7
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.6	0.50	ug/kg	
1330-20-7	Xylene (total)	ND	1.6	0.098	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	85%		70-130%
2037-26-5	Toluene-D8	85%		70-130%
460-00-4	4-Bromofluorobenzene	83%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS03(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-5	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	82.7
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I78891.D	1	06/25/12	NS	06/25/12	OP29365	MSI2926
Run #2 ^a	I78922.D	1	06/26/12	NS	06/25/12	OP29365	MSI2927

	Initial Weight	Final Volume
Run #1	20.6 g	1.0 ml
Run #2	20.6 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	290	16	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	590	20	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	590	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	590	59	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1200	290	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	590	290	ug/kg	
95-48-7	2-Methylphenol	ND	590	17	ug/kg	
	3&4-Methylphenol	ND	590	31	ug/kg	
88-75-5	2-Nitrophenol	ND	590	35	ug/kg	
100-02-7	4-Nitrophenol	ND	1200	290	ug/kg	
87-86-5	Pentachlorophenol	ND	590	55	ug/kg	
108-95-2	Phenol	ND	290	49	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	590	44	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	590	40	ug/kg	
83-32-9	Acenaphthene	64.7	120	25	ug/kg	J
208-96-8	Acenaphthylene	ND	120	22	ug/kg	
120-12-7	Anthracene	113	120	23	ug/kg	J
56-55-3	Benzo(a)anthracene	324	120	11	ug/kg	
50-32-8	Benzo(a)pyrene	278	120	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	430	120	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	217	120	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	119	120	8.7	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	290	24	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	290	13	ug/kg	
91-58-7	2-Chloronaphthalene	ND	290	25	ug/kg	
106-47-8	4-Chloroaniline	ND	590	150	ug/kg	
86-74-8	Carbazole	63.7	120	23	ug/kg	J
218-01-9	Chrysene	349	120	9.6	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	290	23	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	290	6.3	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	290	28	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	290	26	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SS03(0-2)-061912

Lab Sample ID: MC11638-5

Date Sampled: 06/19/12

Matrix: SO - Soil

Date Received: 06/21/12

Method: SW846 8270C SW846 3546

Percent Solids: 82.7

Project: Blackhawk Drive - BA, Forest Park, IL

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	290	24	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	290	24	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	290	24	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	590	150	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	590	28	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	290	7.0	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	120	19	ug/kg	
132-64-9	Dibenzofuran	28.4	120	25	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	290	27	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	290	15	ug/kg	
84-66-2	Diethyl phthalate	ND	290	26	ug/kg	
131-11-3	Dimethyl phthalate	ND	290	21	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	72.3	290	20	ug/kg	J
206-44-0	Fluoranthene	635	120	10	ug/kg	
86-73-7	Fluorene	48.2	120	6.5	ug/kg	J
118-74-1	Hexachlorobenzene	ND	290	25	ug/kg	
87-68-3	Hexachlorobutadiene	ND	290	23	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	590	4.0	ug/kg	
67-72-1	Hexachloroethane	ND	290	24	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	218	120	18	ug/kg	
78-59-1	Isophorone	ND	290	29	ug/kg	
91-57-6	2-Methylnaphthalene	ND	120	25	ug/kg	
88-74-4	2-Nitroaniline	ND	590	150	ug/kg	
99-09-2	3-Nitroaniline	ND	590	150	ug/kg	
100-01-6	4-Nitroaniline	ND	590	22	ug/kg	
91-20-3	Naphthalene	27.7	120	6.8	ug/kg	J
98-95-3	Nitrobenzene	ND	290	8.7	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	290	19	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	290	16	ug/kg	
85-01-8	Phenanthrene	437	120	7.6	ug/kg	
129-00-0	Pyrene	506	120	9.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	290	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%	43%	30-130%
4165-62-2	Phenol-d5	56%	57%	30-130%
118-79-6	2,4,6-Tribromophenol	10% ^b	9% ^b	30-130%
4165-60-0	Nitrobenzene-d5	61%	61%	30-130%
321-60-8	2-Fluorobiphenyl	62%	62%	30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS03(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-5	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	82.7
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	78%	79%	30-130%

(a) Confirmation run for surrogate recoveries.

(b) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SS03(0-2)-061912

Lab Sample ID: MC11638-5

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 82.7

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	10000	22	2.5	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Antimony	0.24 B	1.1	0.15	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Arsenic	5.1	1.1	0.19	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Barium	81.4	5.4	0.076	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Beryllium	0.65	0.44	0.044	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cadmium	0.065 B	0.44	0.024	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Calcium	60100	540	1.9	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Chromium	16.7	1.1	0.12	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cobalt	6.8	5.4	0.044	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Copper	14.7	2.7	0.19	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Iron	14200	11	2.0	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Lead	79.2	1.1	0.22	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Magnesium	28300	540	4.4	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Manganese	488	1.6	0.28	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Mercury	0.013 U	0.036	0.013	mg/kg	1	06/28/12	06/29/12 EM	SW846 7471B ²	SW846 7471B ⁴
Nickel	16.7	4.4	0.064	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Potassium	1650	540	6.3	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Selenium	0.24 B	1.1	0.16	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Silver	0.085 U	0.54	0.085	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Sodium	162 B	540	2.9	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Thallium	0.28 B	1.1	0.13	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Vanadium	19.6	1.1	0.13	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Zinc	45.5	2.2	0.27	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³

(1) Instrument QC Batch: MA14417

(2) Instrument QC Batch: MA14424

(3) Prep QC Batch: MP19214

(4) Prep QC Batch: MP19241

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SS03(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-5	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	82.7
Project:	Blackhawk Drive - BA, Forest Park, IL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.14	0.14	mg/kg	1	06/28/12 13:19	MA	SW846 9012 M
Solids, Percent	82.7		%	1	06/22/12	HS	SM21 2540 B MOD.
pH	11.5		su	1	06/22/12	CF	SW846 9045

RL = Reporting Limit

Report of Analysis

Client Sample ID: BH-SS03(0-2)-061912

Lab Sample ID: MC11638-5A

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 82.7

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0019 U	D004	5.0	0.010	0.0019	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Barium	0.51	D005	100	0.50	0.00065	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Cadmium	0.00070 B	D006	1.0	0.0040	0.00021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Chromium	0.0027 B	D007	5.0	0.010	0.0011	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Lead	0.0021 U	D008	5.0	0.010	0.0021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Mercury	0.000062 U	D009	0.20	0.00020	0.000062	mg/l	1	06/27/12	06/28/12	EM SW846 7470A ¹
Selenium	0.0076 B	D010	1.0	0.025	0.0020	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Silver	0.0013 U	D011	5.0	0.0050	0.0013	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²

(1) Instrument QC Batch: MA14418

(2) Instrument QC Batch: MA14421

(3) Prep QC Batch: MP19224

(4) Prep QC Batch: MP19233

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261.6(g))

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SB03(18-20)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-6	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	87.9
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M49100.D	1	06/26/12	AMY	n/a	n/a	MSM1644
Run #2							

Run #	Initial Weight	Final Volume
Run #1	8.86 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	15.9 U	3.2	3.2	ug/kg	
71-43-2	Benzene	ND	0.32	0.080	ug/kg	
75-27-4	Bromodichloromethane	ND	1.3	0.13	ug/kg	
75-25-2	Bromoform	ND	1.3	0.30	ug/kg	
74-83-9	Bromomethane	ND	1.3	0.43	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3.2	0.76	ug/kg	
75-15-0	Carbon disulfide	ND	3.2	0.62	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.3	0.14	ug/kg	
108-90-7	Chlorobenzene	ND	1.3	0.060	ug/kg	
75-00-3	Chloroethane	ND	3.2	0.17	ug/kg	
67-66-3	Chloroform	ND	1.3	0.095	ug/kg	
74-87-3	Chloromethane	ND	3.2	0.14	ug/kg	
124-48-1	Dibromochloromethane	ND	1.3	0.42	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.3	0.098	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.093	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.3	0.20	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.3	0.17	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.3	0.16	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.3	0.15	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.3	0.64	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.3	0.44	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.083	ug/kg	
591-78-6	2-Hexanone	ND	3.2	0.67	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	3.2	0.54	ug/kg	
75-09-2	Methylene chloride	ND	1.3	0.23	ug/kg	
100-42-5	Styrene	ND	3.2	0.32	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.3	0.11	ug/kg	
127-18-4	Tetrachloroethene	ND	1.3	0.11	ug/kg	
108-88-3	Toluene	ND	3.2	0.11	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.3	0.12	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.3	0.16	ug/kg	
79-01-6	Trichloroethene	ND	1.3	0.13	ug/kg	

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7/11/12

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB03(18-20)-061912	Date Sampled: 06/19/12
Lab Sample ID: MC11638-6	Date Received: 06/21/12
Matrix: SO - Soil	Percent Solids: 87.9
Method: SW846 8260B	
Project: Blackhawk Drive - BA, Forest Park, IL	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.3	0.41	ug/kg	
1330-20-7	Xylene (total)	ND	1.3	0.081	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	85%		70-130%
2037-26-5	Toluene-D8	86%		70-130%
460-00-4	4-Bromofluorobenzene	87%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB03(18-20)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-6	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	87.9
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I78892.D	1	06/25/12	NS	06/25/12	OP29365	MSI2926
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.7 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	270	15	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	550	19	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	550	32	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	550	55	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1100	270	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	550	270	ug/kg	
95-48-7	2-Methylphenol	ND	550	16	ug/kg	
	3&4-Methylphenol	ND	550	29	ug/kg	
88-75-5	2-Nitrophenol	ND	550	33	ug/kg	
100-02-7	4-Nitrophenol	ND	1100	270	ug/kg	
87-86-5	Pentachlorophenol	ND	550	51	ug/kg	
108-95-2	Phenol	ND	270	46	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	550	41	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	550	38	ug/kg	
83-32-9	Acenaphthene	ND	110	23	ug/kg	
208-96-8	Acenaphthylene	ND	110	21	ug/kg	
120-12-7	Anthracene	ND	110	22	ug/kg	
56-55-3	Benzo(a)anthracene	ND	110	10	ug/kg	
50-32-8	Benzo(a)pyrene	ND	110	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	110	32	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	110	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	110	8.1	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	270	22	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	270	12	ug/kg	
91-58-7	2-Chloronaphthalene	ND	270	23	ug/kg	
106-47-8	4-Chloroaniline	ND	550	140	ug/kg	
86-74-8	Carbazole	ND	110	22	ug/kg	
218-01-9	Chrysene	ND	110	9.0	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	270	21	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	270	5.9	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	270	26	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	270	25	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB03(18-20)-061912**Lab Sample ID:** MC11638-6**Date Sampled:** 06/19/12**Matrix:** SO - Soil**Date Received:** 06/21/12**Method:** SW846 8270C SW846 3546**Percent Solids:** 87.9**Project:** Blackhawk Drive - BA, Forest Park, IL

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	270	22	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	270	23	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	270	23	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	550	140	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	550	26	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	270	6.6	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	110	18	ug/kg	
132-64-9	Dibenzofuran	ND	110	23	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	270	25	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	270	15	ug/kg	
84-66-2	Diethyl phthalate	ND	270	24	ug/kg	
131-11-3	Dimethyl phthalate	ND	270	19	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	270	19	ug/kg	
206-44-0	Fluoranthene	ND	110	9.3	ug/kg	
86-73-7	Fluorene	ND	110	6.0	ug/kg	
118-74-1	Hexachlorobenzene	ND	270	24	ug/kg	
87-68-3	Hexachlorobutadiene	ND	270	22	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	550	3.7	ug/kg	
67-72-1	Hexachloroethane	ND	270	22	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	110	17	ug/kg	
78-59-1	Isophorone	ND	270	27	ug/kg	
91-57-6	2-Methylnaphthalene	ND	110	23	ug/kg	
88-74-4	2-Nitroaniline	ND	550	140	ug/kg	
99-09-2	3-Nitroaniline	ND	550	140	ug/kg	
100-01-6	4-Nitroaniline	ND	550	20	ug/kg	
91-20-3	Naphthalene	ND	110	6.4	ug/kg	
98-95-3	Nitrobenzene	ND	270	8.1	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	270	17	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	270	15	ug/kg	
85-01-8	Phenanthrene	ND	110	7.1	ug/kg	
129-00-0	Pyrene	ND	110	8.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	270	24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	60%		30-130%
4165-62-2	Phenol-d5	58%		30-130%
118-79-6	2,4,6-Tribromophenol	60%		30-130%
4165-60-0	Nitrobenzene-d5	64%		30-130%
321-60-8	2-Fluorobiphenyl	65%		30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB03(18-20)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-6	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	87.9
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	79%		30-130%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB03(18-20)-061912**Lab Sample ID:** MC11638-6**Matrix:** SO - Soil**Date Sampled:** 06/19/12**Date Received:** 06/21/12**Percent Solids:** 87.9**Project:** Blackhawk Drive - BA, Forest Park, IL

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analized By	Method	Prep Method	
Aluminum	8880	22	2.6	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Antimony	0.16 U	1.1	0.16	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Arsenic	6.0	1.1	0.19	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Barium	56.3	5.6	0.078	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Beryllium	0.59	0.45	0.045	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Cadmium	0.025 U	0.45	0.025	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Calcium	67300	560	1.9	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Chromium	13.7	1.1	0.12	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Cobalt	5.8	5.6	0.045	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Copper	12.3	2.8	0.19	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Iron	13500	11	2.0	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Lead	18.1	1.1	0.22	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Magnesium	25800	560	4.5	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Manganese	498	1.7	0.29	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Mercury	0.013 U	0.036	0.013	mg/kg	1	06/28/12	06/29/12	EM	SW846 7471B ²	SW846 7471B ⁴
Nickel	13.9	4.5	0.066	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Potassium	1280	560	6.5	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Selenium	0.17 U	1.1	0.17	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Silver	0.087 U	0.56	0.087	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Sodium	171 B	560	3.0	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Thallium	0.28 B	1.1	0.13	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Vanadium	15.2	1.1	0.13	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Zinc	35.8	2.2	0.28	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³

(1) Instrument QC Batch: MA14417

(2) Instrument QC Batch: MA14425

(3) Prep QC Batch: MP19214

(4) Prep QC Batch: MP19242

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: BH-SB03(18-20)-061912**Lab Sample ID:** MC11638-6**Matrix:** SO - Soil**Project:** Blackhawk Drive - BA, Forest Park, IL**Date Sampled:** 06/19/12**Date Received:** 06/21/12**Percent Solids:** 87.9

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.13	0.13	mg/kg	1	06/28/12 13:20	MA	SW846 9012 M
Solids, Percent	87.9		%	1	06/22/12	HS	SM21 2540 B MOD.
pH	8.3		su	1	06/22/12	CF	SW846 9045

RL = Reporting Limit

Report of Analysis

Client Sample ID: BH-SB03(18-20)-061912**Lab Sample ID:** MC11638-6A**Matrix:** SO - Soil**Date Sampled:** 06/19/12**Date Received:** 06/21/12**Percent Solids:** 87.9**Project:** Blackhawk Drive - BA, Forest Park, IL**Metals Analysis, TCLP Leachate SW846 1311**

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0019 U	D004	5.0	0.010	0.0019	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Barium	0.69	D005	100	0.50	0.00065	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Cadmium	0.0011 B	D006	1.0	0.0040	0.00021	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Chromium	0.0015 B	D007	5.0	0.010	0.0011	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Lead	0.0021 U	D008	5.0	0.010	0.0021	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Mercury	0.000062 U	D009	0.20	0.00020	0.000062	mg/l	1	06/27/12	06/28/12 EM	SW846 7470A ¹
Selenium	0.0070 B	D010	1.0	0.025	0.0020	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Silver	0.0013 U	D011	5.0	0.0050	0.0013	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²

(1) Instrument QC Batch: MA14418

(2) Instrument QC Batch: MA14421

(3) Prep QC Batch: MP19224

(4) Prep QC Batch: MP19233

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261.6/96)

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SS04(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-7	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	83.5
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M49101.D	1	06/26/12	AMY	n/a	n/a	MSM1644
Run #2							

	Initial Weight	Final Volume
Run #1	7.24 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	4.1	4.1	ug/kg	
71-43-2	Benzene	ND	0.41	0.10	ug/kg	
75-27-4	Bromodichloromethane	ND	1.7	0.17	ug/kg	
75-25-2	Bromoform	ND	1.7	0.39	ug/kg	
74-83-9	Bromomethane	ND	1.7	0.56	ug/kg	
78-93-3	2-Butanone (MEK)	ND	4.1	0.98	ug/kg	
75-15-0	Carbon disulfide	ND	4.1	0.80	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.7	0.19	ug/kg	
108-90-7	Chlorobenzene	ND	1.7	0.077	ug/kg	
75-00-3	Chloroethane	ND	4.1	0.21	ug/kg	
67-66-3	Chloroform	ND	1.7	0.12	ug/kg	
74-87-3	Chloromethane	ND	4.1	0.18	ug/kg	
124-48-1	Dibromochloromethane	ND	1.7	0.54	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.7	0.13	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.7	0.12	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.7	0.26	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.7	0.22	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.7	0.21	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.7	0.19	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.7	0.83	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.7	0.57	ug/kg	
100-41-4	Ethylbenzene	ND	1.7	0.11	ug/kg	
591-78-6	2-Hexanone	ND	4.1	0.87	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.1	0.69	ug/kg	
75-09-2	Methylene chloride	ND	1.7	0.30	ug/kg	
100-42-5	Styrene	ND	4.1	0.41	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.7	0.15	ug/kg	
127-18-4	Tetrachloroethene	ND	1.7	0.14	ug/kg	
108-88-3	Toluene	ND	4.1	0.15	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.7	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.7	0.21	ug/kg	
79-01-6	Trichloroethene	ND	1.7	0.16	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS04(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-7	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	83.5
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.7	0.53	ug/kg	
1330-20-7	Xylene (total)	ND	1.7	0.10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		70-130%
2037-26-5	Toluene-D8	84%		70-130%
460-00-4	4-Bromofluorobenzene	81%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS04(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-7	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	83.5
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I78893.D	1	06/26/12	NS	06/25/12	OP29365	MSI2926
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.2 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	300	16	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	590	21	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	590	35	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	590	59	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1200	300	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	590	300	ug/kg	
95-48-7	2-Methylphenol	ND	590	17	ug/kg	
	3&4-Methylphenol	ND	590	31	ug/kg	
88-75-5	2-Nitrophenol	ND	590	36	ug/kg	
100-02-7	4-Nitrophenol	ND	1200	300	ug/kg	
87-86-5	Pentachlorophenol	ND	590	55	ug/kg	
108-95-2	Phenol	ND	300	49	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	590	44	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	590	41	ug/kg	
83-32-9	Acenaphthene	ND	120	25	ug/kg	
208-96-8	Acenaphthylene	ND	120	22	ug/kg	
120-12-7	Anthracene	ND	120	23	ug/kg	
56-55-3	Benzo(a)anthracene	ND	120	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	120	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	120	35	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	120	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	120	8.8	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	300	24	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	300	13	ug/kg	
91-58-7	2-Chloronaphthalene	ND	300	25	ug/kg	
106-47-8	4-Chloroaniline	ND	590	150	ug/kg	
86-74-8	Carbazole	ND	120	23	ug/kg	
218-01-9	Chrysene	ND	120	9.7	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	300	23	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	300	6.3	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	300	28	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	300	27	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SS04(0-2)-061912

Lab Sample ID: MC11638-7

Date Sampled: 06/19/12

Matrix: SO - Soil

Date Received: 06/21/12

Method: SW846 8270C SW846 3546

Percent Solids: 83.5

Project: Blackhawk Drive - BA, Forest Park, IL

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	300	24	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	300	25	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	300	25	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	590	150	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	590	29	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	300	7.1	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	120	19	ug/kg	
132-64-9	Dibenzofuran	ND	120	25	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	300	27	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	300	16	ug/kg	
84-66-2	Diethyl phthalate	ND	300	26	ug/kg	
131-11-3	Dimethyl phthalate	ND	300	21	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	29.1	300	20	ug/kg	J
206-44-0	Fluoranthene	ND	120	10	ug/kg	
86-73-7	Fluorene	ND	120	6.5	ug/kg	
118-74-1	Hexachlorobenzene	ND	300	26	ug/kg	
87-68-3	Hexachlorobutadiene	ND	300	23	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	590	4.0	ug/kg	
67-72-1	Hexachloroethane	ND	300	24	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	120	18	ug/kg	
78-59-1	Isophorone	ND	300	29	ug/kg	
91-57-6	2-Methylnaphthalene	ND	120	25	ug/kg	
88-74-4	2-Nitroaniline	ND	590	150	ug/kg	
99-09-2	3-Nitroaniline	ND	590	150	ug/kg	
100-01-6	4-Nitroaniline	ND	590	22	ug/kg	
91-20-3	Naphthalene	ND	120	6.9	ug/kg	
98-95-3	Nitrobenzene	ND	300	8.8	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	300	19	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	300	16	ug/kg	
85-01-8	Phenanthrene	ND	120	7.6	ug/kg	
129-00-0	Pyrene	ND	120	9.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	300	26	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	66%		30-130%
4165-62-2	Phenol-d5	62%		30-130%
118-79-6	2,4,6-Tribromophenol	74%		30-130%
4165-60-0	Nitrobenzene-d5	70%		30-130%
321-60-8	2-Fluorobiphenyl	71%		30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS04(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-7	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	83.5
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	91%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SS04(0-2)-061912**Lab Sample ID:** MC11638-7**Matrix:** SO - Soil**Date Sampled:** 06/19/12**Date Received:** 06/21/12**Percent Solids:** 83.5**Project:** Blackhawk Drive - BA, Forest Park, IL

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	12700	20	2.3	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Antimony	0.14 B	1.0	0.14	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Arsenic	8.2	1.0	0.17	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Barium	63.1	5.0	0.070	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Beryllium	0.65	0.40	0.040	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cadmium	0.022 U	0.40	0.022	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Calcium	15000	500	1.7	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Chromium	20.9	1.0	0.11	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cobalt	12.6	5.0	0.040	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Copper	20.9	2.5	0.17	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Iron	23700	10	1.8	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Lead	13.2	1.0	0.20	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Magnesium	10700	500	4.0	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Manganese	980	1.5	0.26	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Mercury	0.014 U	0.039	0.014	mg/kg	1	06/28/12	06/29/12 EM	SW846 7471B ²	SW846 7471B ⁴
Nickel	35.7	4.0	0.059	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Potassium	2150	500	5.8	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Selenium	0.15 U	1.0	0.15	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Silver	0.078 U	0.50	0.078	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Sodium	73.2 B	500	2.7	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Thallium	0.12 U	1.0	0.12	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Vanadium	18.9	1.0	0.12	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Zinc	56.5	2.0	0.25	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³

(1) Instrument QC Batch: MA14423

(2) Instrument QC Batch: MA14425

(3) Prep QC Batch: MP19228

(4) Prep QC Batch: MP19242

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SS04(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-7	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	83.5
Project:	Blackhawk Drive - BA, Forest Park, IL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.14	0.14	mg/kg	1	06/28/12 13:21	MA	SW846 9012 M
Solids, Percent	83.5		%	1	06/22/12	HS	SM21 2540 B MOD.
pH	7.4		su	1	06/22/12	CF	SW846 9045

RL = Reporting Limit

Report of Analysis

Client Sample ID: BH-SS04(0-2)-061912**Lab Sample ID:** MC11638-7A**Matrix:** SO - Soil**Date Sampled:** 06/19/12**Date Received:** 06/21/12**Percent Solids:** 83.5**Project:** Blackhawk Drive - BA, Forest Park, IL**Metals Analysis, TCLP Leachate SW846 1311**

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0019 U	D004	5.0	0.010	0.0019	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Barium	0.27 B	D005	100	0.50	0.00065	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Cadmium	0.00021 U	D006	1.0	0.0040	0.00021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Chromium	0.0014 B	D007	5.0	0.010	0.0011	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Lead	0.0021 U	D008	5.0	0.010	0.0021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Mercury	0.000062 U	D009	0.20	0.00020	0.000062	mg/l	1	06/27/12	06/28/12	EM SW846 7470A ¹
Selenium	0.0071 B	D010	1.0	0.025	0.0020	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Silver	0.0013 U	D011	5.0	0.0050	0.0013	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²

(1) Instrument QC Batch: MA14418

(2) Instrument QC Batch: MA14421

(3) Prep QC Batch: MP19224

(4) Prep QC Batch: MP19233

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261.6/96)

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SB04(13-15)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-8	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	83.1
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M49093.D	1	06/26/12	AMY	n/a	n/a	MSM1644
Run #2							

Run #	Initial Weight	Final Volume
Run #1	8.20 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	15.0 U	3.7	3.7	ug/kg	
71-43-2	Benzene	ND	0.37	0.092	ug/kg	
75-27-4	Bromodichloromethane	ND UJ	1.5	0.15	ug/kg	
75-25-2	Bromoform	ND UJ	1.5	0.35	ug/kg	
74-83-9	Bromomethane	ND	1.5	0.50	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3.7	0.87	ug/kg	
75-15-0	Carbon disulfide	ND UJ	3.7	0.71	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.5	0.16	ug/kg	
108-90-7	Chlorobenzene	ND UJ	1.5	0.069	ug/kg	
75-00-3	Chloroethane	ND	3.7	0.19	ug/kg	
67-66-3	Chloroform	ND	1.5	0.11	ug/kg	
74-87-3	Chloromethane	ND	3.7	0.16	ug/kg	
124-48-1	Dibromochloromethane	ND UJ	1.5	0.48	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.5	0.11	ug/kg	
107-06-2	1,2-Dichloroethane	ND UJ	1.5	0.11	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.5	0.23	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND UJ	1.5	0.20	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.18	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.5	0.17	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND UJ	1.5	0.73	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND UJ	1.5	0.50	ug/kg	
100-41-4	Ethylbenzene	ND UJ	1.5	0.095	ug/kg	
591-78-6	2-Hexanone	ND	3.7	0.77	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	3.7	0.62	ug/kg	
75-09-2	Methylene chloride	ND	1.5	0.26	ug/kg	
100-42-5	Styrene	ND UJ	3.7	0.37	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.5	0.13	ug/kg	
127-18-4	Tetrachloroethene	ND	1.5	0.12	ug/kg	
108-88-3	Toluene	ND UJ	3.7	0.13	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.5	0.13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND UJ	1.5	0.19	ug/kg	
79-01-6	Trichloroethene	ND	1.5	0.14	ug/kg	

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

2H
7/11/12

Report of Analysis

Client Sample ID:	BH-SB04(13-15)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-8	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	83.1
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND <i>JS</i>	1.5	0.47	ug/kg	
1330-20-7	Xylene (total)	ND <i>UJ</i>	1.5	0.092	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	84%		70-130%
2037-26-5	Toluene-D8	83%		70-130%
460-00-4	4-Bromofluorobenzene	87%		70-130%

2H
7/11/12

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB04(13-15)-061912
 Lab Sample ID: MC11638-8
 Matrix: SO - Soil
 Method: SW846 8270C SW846 3546
 Project: Blackhawk Drive - BA, Forest Park, IL

Date Sampled: 06/19/12
 Date Received: 06/21/12
 Percent Solids: 83.1

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I78894.D	1	06/26/12	NS	06/25/12	OP29365	MSI2926
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.9 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	290	15	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	580	20	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	580	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	580	58	ug/kg	
51-28-5	2,4-Dinitrophenol	ND J	1200	290	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND J	580	290	ug/kg	
95-48-7	2-Methylphenol	ND	580	16	ug/kg	
	3&4-Methylphenol	ND	580	30	ug/kg	
88-75-5	2-Nitrophenol	ND J	580	35	ug/kg	
100-02-7	4-Nitrophenol	ND	1200	290	ug/kg	
87-86-5	Pentachlorophenol	ND	580	54	ug/kg	
108-95-2	Phenol	ND	290	48	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	580	43	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	580	40	ug/kg	
83-32-9	Acenaphthene	ND	120	24	ug/kg	
208-96-8	Acenaphthylene	ND	120	22	ug/kg	
120-12-7	Anthracene	ND	120	23	ug/kg	
56-55-3	Benzo(a)anthracene	ND	120	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	120	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	120	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	120	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	120	8.5	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	290	23	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	290	12	ug/kg	
91-58-7	2-Chloronaphthalene	ND	290	24	ug/kg	
106-47-8	4-Chloroaniline	ND J	580	140	ug/kg	
86-74-8	Carbazole	ND	120	23	ug/kg	
218-01-9	Chrysene	ND	120	9.4	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	290	22	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	290	6.2	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	290	27	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	290	26	ug/kg	

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB04(13-15)-061912
 Lab Sample ID: MC11638-8
 Matrix: SO - Soil
 Method: SW846 8270C SW846 3546
 Project: Blackhawk Drive - BA, Forest Park, IL

Date Sampled: 06/19/12
 Date Received: 06/21/12
 Percent Solids: 83.1

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	290	23	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	290	24	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	290	24	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND <i>UJ</i>	580	140	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND <i>UJ</i>	580	28	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	290	6.9	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	120	19	ug/kg	
132-64-9	Dibenzofuran	ND	120	24	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	290	26	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	290	15	ug/kg	
84-66-2	Diethyl phthalate	ND	290	25	ug/kg	
131-11-3	Dimethyl phthalate	ND	290	20	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	290	20	ug/kg	
206-44-0	Fluoranthene	ND	120	9.8	ug/kg	
86-73-7	Fluorene	ND	120	6.3	ug/kg	
118-74-1	Hexachlorobenzene	ND	290	25	ug/kg	
87-68-3	Hexachlorobutadiene	ND	290	23	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND <i>UJ</i>	580	3.9	ug/kg	
67-72-1	Hexachloroethane	ND <i>UJ</i>	290	23	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	120	18	ug/kg	
78-59-1	Isophorone	ND	290	29	ug/kg	
91-57-6	2-Methylnaphthalene	ND	120	24	ug/kg	
88-74-4	2-Nitroaniline	ND	580	140	ug/kg	
99-09-2	3-Nitroaniline	ND	580	140	ug/kg	
100-01-6	4-Nitroaniline	ND	580	21	ug/kg	
91-20-3	Naphthalene	ND	120	6.7	ug/kg	
98-95-3	Nitrobenzene	ND	290	8.5	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND <i>UJ</i>	290	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	290	15	ug/kg	
85-01-8	Phenanthrene	ND	120	7.4	ug/kg	
129-00-0	Pyrene	ND	120	9.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	290	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	57%		30-130%
4165-62-2	Phenol-d5	52%		30-130%
118-79-6	2,4,6-Tribromophenol	53%		30-130%
4165-60-0	Nitrobenzene-d5	58%		30-130%
321-60-8	2-Fluorobiphenyl	59%		30-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB04(13-15)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-8	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	83.1
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	76%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB04(13-15)-061912

Lab Sample ID: MC11638-8

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 83.1

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	10500	21	2.4	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Antimony	0.14 U <i>UJ</i>	1.0	0.14	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Arsenic	4.5	1.0	0.17	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Barium	38.4	5.1	0.072	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Beryllium	0.57	0.41	0.041	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cadmium	0.041 B	0.41	0.023	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Calcium	51900	510	1.7	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Chromium	18.8	1.0	0.11	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cobalt	8.8	5.1	0.041	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Copper	18.2	2.6	0.17	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Iron	18100	10	1.9	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Lead	10.2	1.0	0.21	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Magnesium	24300	510	4.1	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Manganese	379	1.5	0.27	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Mercury	0.013 U	0.035	0.013	mg/kg	1	06/28/12	06/29/12 EM	SW846 7471B ²	SW846 7471B ⁴
Nickel	25.6	4.1	0.061	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Potassium	2560	510	6.0	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Selenium	0.15 U	1.0	0.15	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Silver	0.080 U	0.51	0.080	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Sodium	170 B	510	2.8	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Thallium	0.28 B	1.0	0.12	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Vanadium	19.9	1.0	0.12	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Zinc	46.7	2.1	0.26	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³

(1) Instrument QC Batch: MA14423

(2) Instrument QC Batch: MA14425

(3) Prep QC Batch: MP19228

(4) Prep QC Batch: MP19242

24
7/12/12

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SB04(13-15)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-8	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	83.1
Project:	Blackhawk Drive - BA, Forest Park, IL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.14	0.14	mg/kg	1	06/28/12 13:12	MA	SW846 9012 M
Solids, Percent	83.1		%	1	06/22/12	HS	SM21 2540 B MOD.
pH	6.6		su	1	06/22/12	CF	SW846 9045

RL = Reporting Limit

Report of Analysis

Client Sample ID: BH-SB04(13-15)-061912

Lab Sample ID: MC11638-8A

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 83.1

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0019 U	D004	5.0	0.010	0.0019	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Barium	0.32 B	D005	100	0.50	0.00065	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Cadmium	0.0036 B	D006	1.0	0.0040	0.00021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Chromium	0.0016 B	D007	5.0	0.010	0.0011	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Lead	0.020	D008	5.0	0.010	0.0021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Mercury	0.000062 U	D009	0.20	0.00020	0.000062	mg/l	1	06/27/12	06/28/12	EM SW846 7470A ¹
Selenium	0.014 B	D010	1.0	0.025	0.0020	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Silver	0.0013 U	D011	5.0	0.0050	0.0013	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²

(1) Instrument QC Batch: MA14418

(2) Instrument QC Batch: MA14421

(3) Prep QC Batch: MP19224

(4) Prep QC Batch: MP19233

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261.6/96)

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SS05(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-9	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	80.9
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M49102.D	1	06/26/12	AMY	n/a	n/a	MSM1644
Run #2							

Run #	Initial Weight	Final Volume
Run #1	8.65 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	48.0 U	3.6	3.6	ug/kg	
71-43-2	Benzene	ND	0.36	0.089	ug/kg	
75-27-4	Bromodichloromethane	ND	1.4	0.15	ug/kg	
75-25-2	Bromoform	ND	1.4	0.34	ug/kg	
74-83-9	Bromomethane	ND	1.4	0.48	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3.6	0.85	ug/kg	
75-15-0	Carbon disulfide	1.2	3.6	0.69	ug/kg	J
56-23-5	Carbon tetrachloride	ND	1.4	0.16	ug/kg	
108-90-7	Chlorobenzene	ND	1.4	0.067	ug/kg	
75-00-3	Chloroethane	ND	3.6	0.19	ug/kg	
67-66-3	Chloroform	ND	1.4	0.11	ug/kg	
74-87-3	Chloromethane	ND	3.6	0.15	ug/kg	
124-48-1	Dibromochloromethane	ND	1.4	0.47	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.4	0.11	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.4	0.10	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.4	0.23	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.4	0.19	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.4	0.18	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.4	0.16	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.4	0.71	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.4	0.49	ug/kg	
100-41-4	Ethylbenzene	ND	1.4	0.093	ug/kg	
591-78-6	2-Hexanone	ND	3.6	0.75	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	3.6	0.60	ug/kg	
75-09-2	Methylene chloride	ND	1.4	0.26	ug/kg	
100-42-5	Styrene	ND	3.6	0.36	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.4	0.13	ug/kg	
127-18-4	Tetrachloroethene	ND	1.4	0.12	ug/kg	
108-88-3	Toluene	ND	3.6	0.13	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.4	0.13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.4	0.18	ug/kg	
79-01-6	Trichloroethene	ND	1.4	0.14	ug/kg	

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

2H
7/11/12

Report of Analysis

Client Sample ID:	BH-SS05(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-9	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	80.9
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.4	0.46	ug/kg	
1330-20-7	Xylene (total)	ND	1.4	0.090	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	83%		70-130%
2037-26-5	Toluene-D8	84%		70-130%
460-00-4	4-Bromofluorobenzene	81%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS05(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-9	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	80.9
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W2538.D	1	06/27/12	KR	06/25/12	OP29365	MSW125
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.3 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	300	16	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	610	21	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	610	36	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	610	61	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1200	300	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	610	300	ug/kg	
95-48-7	2-Methylphenol	ND	610	17	ug/kg	
	3&4-Methylphenol	ND	610	32	ug/kg	
88-75-5	2-Nitrophenol	ND	610	37	ug/kg	
100-02-7	4-Nitrophenol	ND	1200	300	ug/kg	
87-86-5	Pentachlorophenol	ND	610	57	ug/kg	
108-95-2	Phenol	ND	300	51	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	610	45	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	610	42	ug/kg	
83-32-9	Acenaphthene	ND	120	26	ug/kg	
208-96-8	Acenaphthylene	ND	120	23	ug/kg	
120-12-7	Anthracene	ND	120	24	ug/kg	
56-55-3	Benzo(a)anthracene	99.6	120	11	ug/kg	J
50-32-8	Benzo(a)pyrene	75.5	120	18	ug/kg	J
205-99-2	Benzo(b)fluoranthene	110	120	36	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	57.3	120	20	ug/kg	J
207-08-9	Benzo(k)fluoranthene	38.8	120	9.0	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	300	25	ug/kg	
85-68-7	Butyl benzyl phthalate	14.2	300	13	ug/kg	J
91-58-7	2-Chloronaphthalene	ND	300	26	ug/kg	
106-47-8	4-Chloroaniline	ND	610	150	ug/kg	
86-74-8	Carbazole	ND	120	24	ug/kg	
218-01-9	Chrysene	92.6	120	9.9	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	300	24	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	300	6.5	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	300	29	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	300	27	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SS05(0-2)-061912

Lab Sample ID: MC11638-9

Date Sampled: 06/19/12

Matrix: SO - Soil

Date Received: 06/21/12

Method: SW846 8270C SW846 3546

Percent Solids: 80.9

Project: Blackhawk Drive - BA, Forest Park, IL

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	300	25	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	300	25	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	300	25	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	610	150	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	610	29	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	300	7.3	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	120	20	ug/kg	
132-64-9	Dibenzofuran	ND	120	26	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	300	28	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	300	16	ug/kg	
84-66-2	Diethyl phthalate	ND	300	26	ug/kg	
131-11-3	Dimethyl phthalate	ND	300	21	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	27.4	300	21	ug/kg	J
206-44-0	Fluoranthene	189	120	10	ug/kg	
86-73-7	Fluorene	ND	120	6.7	ug/kg	
118-74-1	Hexachlorobenzene	ND	300	26	ug/kg	
87-68-3	Hexachlorobutadiene	ND	300	24	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	610	4.1	ug/kg	
67-72-1	Hexachloroethane	ND	300	25	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	47.9	120	19	ug/kg	J
78-59-1	Isophorone	ND	300	30	ug/kg	
91-57-6	2-Methylnaphthalene	ND	120	26	ug/kg	
88-74-4	2-Nitroaniline	ND	610	150	ug/kg	
99-09-2	3-Nitroaniline	ND	610	150	ug/kg	
100-01-6	4-Nitroaniline	ND	610	23	ug/kg	
91-20-3	Naphthalene	17.7	120	7.1	ug/kg	J
98-95-3	Nitrobenzene	ND	300	9.0	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	300	19	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	300	16	ug/kg	
85-01-8	Phenanthrene	71.1	120	7.8	ug/kg	J
129-00-0	Pyrene	143	120	9.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	300	26	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	68%		30-130%
4165-62-2	Phenol-d5	70%		30-130%
118-79-6	2,4,6-Tribromophenol	78%		30-130%
4165-60-0	Nitrobenzene-d5	64%		30-130%
321-60-8	2-Fluorobiphenyl	70%		30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS05(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-9	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	80.9
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	87%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS05(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-9	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	80.9
Method:	SW846 8015		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH27124.D	1	06/23/12	AF	n/a	n/a	GBH1519
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	7.75 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (VOA)	ND	9.2	1.7	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
615-59-8	2,5-Dibromotoluene	86%		36-148%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS05(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-9	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	80.9
Method:	SW846 8081 SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE30807.D	1	06/30/12	AP	06/22/12	OP29363	GBE1711
Run #2							

Run #	Initial Weight	Final Volume
Run #1	15.8 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	7.8	2.2	ug/kg	
319-84-6	alpha-BHC	ND	7.8	2.0	ug/kg	
319-85-7	beta-BHC	ND	7.8	2.8	ug/kg	
319-86-8	delta-BHC	ND	7.8	2.0	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	7.8	2.2	ug/kg	
5103-71-9	alpha-Chlordane	ND	7.8	2.9	ug/kg	
5103-74-2	gamma-Chlordane	ND	7.8	2.4	ug/kg	
60-57-1	Dieldrin	ND	7.8	2.3	ug/kg	
72-54-8	4,4' -DDD	ND	7.8	3.2	ug/kg	
72-55-9	4,4' -DDE	ND	7.8	2.5	ug/kg	
50-29-3	4,4' -DDT	ND	7.8	4.3	ug/kg	
72-20-8	Endrin	ND	7.8	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	7.8	3.3	ug/kg	
7421-93-4	Endrin aldehyde	ND	7.8	2.7	ug/kg	
959-98-8	Endosulfan-I	ND	7.8	2.3	ug/kg	
33213-65-9	Endosulfan-II	ND	7.8	2.6	ug/kg	
76-44-8	Heptachlor	ND	7.8	2.4	ug/kg	
1024-57-3	Heptachlor epoxide	ND	7.8	2.4	ug/kg	
72-43-5	Methoxychlor	ND	7.8	3.3	ug/kg	
53494-70-5	Endrin ketone	ND	7.8	3.1	ug/kg	
8001-35-2	Toxaphene	ND	78	9.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	233% ^a		30-150%
877-09-8	Tetrachloro-m-xylene	49%		30-150%
2051-24-3	Decachlorobiphenyl	54%		30-150%
2051-24-3	Decachlorobiphenyl	63%		30-150%

(a) Outside control limits due to possible matrix interference. Confirmed by Matrix Spike/Matrix Spike Duplicate.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS05(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-9	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	80.9
Method:	SW846 8082 SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK13948.D	1	06/25/12	AP	06/22/12	OP29362	GBK555
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	120	17	ug/kg	
11104-28-2	Aroclor 1221	ND	120	17	ug/kg	
11141-16-5	Aroclor 1232	ND	120	23	ug/kg	
53469-21-9	Aroclor 1242	ND	120	8.2	ug/kg	
12672-29-6	Aroclor 1248	ND	120	3.2	ug/kg	
11097-69-1	Aroclor 1254	ND	120	19	ug/kg	
11096-82-5	Aroclor 1260	ND	120	4.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	104%		30-150%
877-09-8	Tetrachloro-m-xylene	120%		30-150%
2051-24-3	Decachlorobiphenyl	116%		30-150%
2051-24-3	Decachlorobiphenyl	139%		30-150%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS05(0-2)-061912	
Lab Sample ID:	MC11638-9	Date Sampled: 06/19/12
Matrix:	SO - Soil	Date Received: 06/21/12
Method:	SW846-8015 SW846 3546	Percent Solids: 80.9
Project:	Blackhawk Drive - BA, Forest Park, IL	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC640967.D	1	06/25/12	KN	06/25/12	OP29364	GBC2994
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (Semi-VOA)	53.6	20	1.5	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	66%		40-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SS05(0-2)-061912

Lab Sample ID: MC11638-9

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 80.9

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	12300	22	2.5	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Antimony	0.16 B	1.1	0.15	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Arsenic	5.4	1.1	0.19	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Barium	60.2	5.5	0.077	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Beryllium	0.70	0.44	0.044	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cadmium	0.024 U	0.44	0.024	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Calcium	4670	550	1.9	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Chromium	18.4	1.1	0.12	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cobalt	7.3	5.5	0.044	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Copper	17.5	2.7	0.19	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Iron	17700	11	2.0	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Lead	15.4	1.1	0.22	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Magnesium	4280	550	4.4	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Manganese	150	1.6	0.28	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Mercury	0.013 U	0.036	0.013	mg/kg	1	06/28/12	06/29/12 EM	SW846 7471B ²	SW846 7471B ⁴
Nickel	23.1	4.4	0.065	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Potassium	1680	550	6.3	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Selenium	0.42 B	1.1	0.16	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Silver	0.085 U	0.55	0.085	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Sodium	70.6 B	550	3.0	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Thallium	0.13 U	1.1	0.13	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Vanadium	21.3	1.1	0.13	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Zinc	46.0	2.2	0.27	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³

(1) Instrument QC Batch: MA14423

(2) Instrument QC Batch: MA14425

(3) Prep QC Batch: MP19228

(4) Prep QC Batch: MP19242

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SS05(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-9	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	80.9
Project:	Blackhawk Drive - BA, Forest Park, IL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.14	0.14	mg/kg	1	06/28/12 13:22	MA	SW846 9012 M
Solids, Percent	80.9		%	1	06/25/12	MC	SM21 2540 B MOD.
pH	7.9		su	1	06/22/12	CF	SW846 9045

RL = Reporting Limit

Report of Analysis

Client Sample ID: BH-SS05(0-2)-061912

Lab Sample ID: MC11638-9A

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 80.9

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0056 B	D004	5.0	0.010	0.0019	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Barium	0.25 B	D005	100	0.50	0.00065	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Cadmium	0.00030 B	D006	1.0	0.0040	0.00021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Chromium	0.0011 B	D007	5.0	0.010	0.0011	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Lead	0.0072 B	D008	5.0	0.010	0.0021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Mercury	0.000062 U	D009	0.20	0.00020	0.000062	mg/l	1	06/27/12	06/28/12	EM SW846 7470A ¹
Selenium	0.0071 B	D010	1.0	0.025	0.0020	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Silver	0.0013 U	D011	5.0	0.0050	0.0013	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²

(1) Instrument QC Batch: MA14418

(2) Instrument QC Batch: MA14421

(3) Prep QC Batch: MP19224

(4) Prep QC Batch: MP19233

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261.6(g))

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: BH-SS05(0-2)-061912D

Lab Sample ID: MC11638-10

Matrix: SO - Soil

Method: SW846 8260B

Project: Blackhawk Drive - BA, Forest Park, IL

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 83.5

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M49118.D	1	06/27/12	AMY	n/a	n/a	MSM1645
Run #2							

Run #	Initial Weight	Final Volume
Run #1	8.27 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	44.5	3.6	3.6	ug/kg	
71-43-2	Benzene	ND	0.36	0.091	ug/kg	
75-27-4	Bromodichloromethane	ND	1.4	0.15	ug/kg	
75-25-2	Bromoform	ND	1.4	0.34	ug/kg	
74-83-9	Bromomethane	ND	1.4	0.49	ug/kg	
78-93-3	2-Butanone (MEK)	1.4	3.6	0.86	ug/kg	J
75-15-0	Carbon disulfide	1.8	3.6	0.70	ug/kg	J
56-23-5	Carbon tetrachloride	ND	1.4	0.16	ug/kg	
108-90-7	Chlorobenzene	ND	1.4	0.068	ug/kg	
75-00-3	Chloroethane	ND	3.6	0.19	ug/kg	
67-66-3	Chloroform	ND	1.4	0.11	ug/kg	
74-87-3	Chloromethane	ND	3.6	0.16	ug/kg	
124-48-1	Dibromochloromethane	ND	1.4	0.47	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.4	0.11	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.4	0.10	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.4	0.23	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.4	0.20	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.4	0.18	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.4	0.17	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.4	0.72	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.4	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	1.4	0.094	ug/kg	
591-78-6	2-Hexanone	ND	3.6	0.76	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	3.6	0.61	ug/kg	
75-09-2	Methylene chloride	ND	1.4	0.26	ug/kg	
100-42-5	Styrene	ND	3.6	0.36	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.4	0.13	ug/kg	
127-18-4	Tetrachloroethene	ND	1.4	0.12	ug/kg	
108-88-3	Toluene	ND	3.6	0.13	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.4	0.13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.4	0.18	ug/kg	
79-01-6	Trichloroethene	ND	1.4	0.14	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS05(0-2)-061912D	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-10	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	83.5
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.4	0.47	ug/kg	
1330-20-7	Xylene (total)	ND	1.4	0.091	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	83%		70-130%
2037-26-5	Toluene-D8	85%		70-130%
460-00-4	4-Bromofluorobenzene	81%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS05(0-2)-061912D	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-10	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	83.5
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W2500.D	1	06/26/12	KR	06/25/12	OP29365	MSW122
Run #2							

Run #	Initial Weight	Final Volume
Run #1	21.0 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	290	15	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	570	20	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	570	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	570	57	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1100	290	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	570	290	ug/kg	
95-48-7	2-Methylphenol	ND	570	16	ug/kg	
	3&4-Methylphenol	ND	570	30	ug/kg	
88-75-5	2-Nitrophenol	ND	570	34	ug/kg	
100-02-7	4-Nitrophenol	ND	1100	290	ug/kg	
87-86-5	Pentachlorophenol	ND	570	53	ug/kg	
108-95-2	Phenol	ND	290	47	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	570	43	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	570	39	ug/kg	
83-32-9	Acenaphthene	ND	110	24	ug/kg	
208-96-8	Acenaphthylene	ND	110	21	ug/kg	
120-12-7	Anthracene	ND	110	23	ug/kg	
56-55-3	Benzo(a)anthracene	59.4	110	11	ug/kg	J
50-32-8	Benzo(a)pyrene	45.2	110	17	ug/kg	J
205-99-2	Benzo(b)fluoranthene	67.3	110	33	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	37.3	110	19	ug/kg	J
207-08-9	Benzo(k)fluoranthene	28.1	110	8.5	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	290	23	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	290	12	ug/kg	
91-58-7	2-Chloronaphthalene	ND	290	24	ug/kg	
106-47-8	4-Chloroaniline	ND	570	140	ug/kg	
86-74-8	Carbazole	ND	110	22	ug/kg	
218-01-9	Chrysene	56.5	110	9.3	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	290	22	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	290	6.1	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	290	27	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	290	26	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SS05(0-2)-061912D

Lab Sample ID: MC11638-10

Date Sampled: 06/19/12

Matrix: SO - Soil

Date Received: 06/21/12

Method: SW846 8270C SW846 3546

Percent Solids: 83.5

Project: Blackhawk Drive - BA, Forest Park, IL

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	290	23	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	290	24	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	290	24	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	570	140	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	570	27	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	290	6.9	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	110	19	ug/kg	
132-64-9	Dibenzofuran	ND	110	24	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	290	26	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	290	15	ug/kg	
84-66-2	Diethyl phthalate	ND	290	25	ug/kg	
131-11-3	Dimethyl phthalate	ND	290	20	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	26.9	290	20	ug/kg	J
206-44-0	Fluoranthene	104	110	9.7	ug/kg	J
86-73-7	Fluorene	ND	110	6.3	ug/kg	
118-74-1	Hexachlorobenzene	ND	290	25	ug/kg	
87-68-3	Hexachlorobutadiene	ND	290	22	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	570	3.8	ug/kg	
67-72-1	Hexachloroethane	ND	290	23	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	28.8	110	18	ug/kg	J
78-59-1	Isophorone	ND	290	28	ug/kg	
91-57-6	2-Methylnaphthalene	ND	110	24	ug/kg	
88-74-4	2-Nitroaniline	ND	570	140	ug/kg	
99-09-2	3-Nitroaniline	ND	570	140	ug/kg	
100-01-6	4-Nitroaniline	ND	570	21	ug/kg	
91-20-3	Naphthalene	15.4	110	6.6	ug/kg	J
98-95-3	Nitrobenzene	ND	290	8.5	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	290	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	290	15	ug/kg	
85-01-8	Phenanthrene	61.7	110	7.4	ug/kg	J
129-00-0	Pyrene	87.7	110	9.2	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	290	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	60%		30-130%
4165-62-2	Phenol-d5	62%		30-130%
118-79-6	2,4,6-Tribromophenol	79%		30-130%
4165-60-0	Nitrobenzene-d5	59%		30-130%
321-60-8	2-Fluorobiphenyl	64%		30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS05(0-2)-061912D	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-10	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	83.5
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	95%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SS05(0-2)-061912D**Lab Sample ID:** MC11638-10**Matrix:** SO - Soil**Date Sampled:** 06/19/12**Date Received:** 06/21/12**Percent Solids:** 83.5**Project:** Blackhawk Drive - BA, Forest Park, IL

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	11900	21	2.5	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Antimony	0.15 U	1.1	0.15	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Arsenic	6.8	1.1	0.18	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Barium	123	5.3	0.075	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Beryllium	0.86	0.43	0.043	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cadmium	0.13 B	0.43	0.024	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Calcium	37900	530	1.8	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Chromium	22.5	1.1	0.12	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cobalt	8.8	5.3	0.043	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Copper	23.2	2.7	0.18	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Iron	20800	11	1.9	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Lead	31.1	1.1	0.21	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Magnesium	15500	530	4.3	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Manganese	983	1.6	0.28	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Mercury	0.028 B	0.037	0.013	mg/kg	1	06/28/12	06/29/12 EM	SW846 7471B ²	SW846 7471B ⁴
Nickel	22.3	4.3	0.063	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Potassium	1750	530	6.2	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Selenium	0.16 U	1.1	0.16	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Silver	0.083 U	0.53	0.083	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Sodium	125 B	530	2.9	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Thallium	0.13 U	1.1	0.13	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Vanadium	22.8	1.1	0.13	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Zinc	67.9	2.1	0.27	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³

(1) Instrument QC Batch: MA14423

(2) Instrument QC Batch: MA14425

(3) Prep QC Batch: MP19228

(4) Prep QC Batch: MP19242

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SS05(0-2)-061912D	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-10	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	83.5
Project:	Blackhawk Drive - BA, Forest Park, IL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.14	0.14	mg/kg	1	06/28/12 13:23	MA	SW846 9012 M
Solids, Percent	83.5		%	1	06/22/12	HS	SM21 2540 B MOD.
pH	7.5		su	1	06/22/12	CF	SW846 9045

RL = Reporting Limit

Report of Analysis

Client Sample ID: BH-SS05(0-2)-061912D

Lab Sample ID: MC11638-10A

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 83.5

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0019 U	D004	5.0	0.010	0.0019	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Barium	0.98	D005	100	0.50	0.00065	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Cadmium	0.0018 B	D006	1.0	0.0040	0.00021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Chromium	0.0011 U	D007	5.0	0.010	0.0011	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Lead	0.0021 U	D008	5.0	0.010	0.0021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Mercury	0.000062 U	D009	0.20	0.00020	0.000062	mg/l	1	06/27/12	06/28/12	EM SW846 7470A ¹
Selenium	0.0058 B	D010	1.0	0.025	0.0020	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Silver	0.0037 B	D011	5.0	0.0050	0.0013	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²

(1) Instrument QC Batch: MA14418

(2) Instrument QC Batch: MA14421

(3) Prep QC Batch: MP19224

(4) Prep QC Batch: MP19233

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261.6/96)

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SB05(15-17)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-11	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M49104.D	1	06/26/12	AMY	n/a	n/a	MSM1644
Run #2							

Run #	Initial Weight	Final Volume
Run #1	9.29 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	6.5 U	3.2	3.2	ug/kg	
71-43-2	Benzene	ND	0.32	0.079	ug/kg	
75-27-4	Bromodichloromethane	ND	1.3	0.13	ug/kg	
75-25-2	Bromoform	ND	1.3	0.30	ug/kg	
74-83-9	Bromomethane	ND	1.3	0.43	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3.2	0.75	ug/kg	
75-15-0	Carbon disulfide	ND	3.2	0.61	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.3	0.14	ug/kg	
108-90-7	Chlorobenzene	ND	1.3	0.059	ug/kg	
75-00-3	Chloroethane	ND	3.2	0.16	ug/kg	
67-66-3	Chloroform	ND	1.3	0.094	ug/kg	
74-87-3	Chloromethane	ND	3.2	0.14	ug/kg	
124-48-1	Dibromochloromethane	ND	1.3	0.41	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.3	0.096	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.091	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.3	0.20	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.3	0.17	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.3	0.16	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.3	0.14	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.3	0.63	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.3	0.43	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.082	ug/kg	
591-78-6	2-Hexanone	ND	3.2	0.66	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	3.2	0.53	ug/kg	
75-09-2	Methylene chloride	ND	1.3	0.23	ug/kg	
100-42-5	Styrene	ND	3.2	0.32	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.3	0.11	ug/kg	
127-18-4	Tetrachloroethene	ND	1.3	0.11	ug/kg	
108-88-3	Toluene	ND	3.2	0.11	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.3	0.12	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.3	0.16	ug/kg	
79-01-6	Trichloroethene	ND	1.3	0.12	ug/kg	

2M
7/11/12

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB05(15-17)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-11	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.3	0.41	ug/kg	
1330-20-7	Xylene (total)	ND	1.3	0.079	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	82%		70-130%
2037-26-5	Toluene-D8	82%		70-130%
460-00-4	4-Bromofluorobenzene	82%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB05(15-17)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-11	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W2534.D	1	06/27/12	KR	06/25/12	OP29365	MSW125
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.6 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	280	15	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	570	20	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	570	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	570	57	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1100	280	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	570	280	ug/kg	
95-48-7	2-Methylphenol	ND	570	16	ug/kg	
	3&4-Methylphenol	ND	570	30	ug/kg	
88-75-5	2-Nitrophenol	ND	570	34	ug/kg	
100-02-7	4-Nitrophenol	ND	1100	280	ug/kg	
87-86-5	Pentachlorophenol	ND	570	53	ug/kg	
108-95-2	Phenol	ND	280	47	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	570	42	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	570	39	ug/kg	
83-32-9	Acenaphthene	ND	110	24	ug/kg	
208-96-8	Acenaphthylene	ND	110	21	ug/kg	
120-12-7	Anthracene	ND	110	22	ug/kg	
56-55-3	Benzo(a)anthracene	ND	110	10	ug/kg	
50-32-8	Benzo(a)pyrene	ND	110	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	110	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	20.0	110	18	ug/kg	J
207-08-9	Benzo(k)fluoranthene	ND	110	8.4	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	280	23	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	280	12	ug/kg	
91-58-7	2-Chloronaphthalene	ND	280	24	ug/kg	
106-47-8	4-Chloroaniline	ND	570	140	ug/kg	
86-74-8	Carbazole	ND	110	22	ug/kg	
218-01-9	Chrysene	ND	110	9.3	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	280	22	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	280	6.1	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	280	27	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	280	26	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB05(15-17)-061912

Lab Sample ID: MC11638-11

Date Sampled: 06/19/12

Matrix: SO - Soil

Date Received: 06/21/12

Method: SW846 8270C SW846 3546

Percent Solids: 85.3

Project: Blackhawk Drive - BA, Forest Park, IL

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	280	23	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	280	24	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	280	24	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	570	140	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	570	27	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	280	6.8	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	110	18	ug/kg	
132-64-9	Dibenzofuran	ND	110	24	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	280	26	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	280	15	ug/kg	
84-66-2	Diethyl phthalate	ND	280	25	ug/kg	
131-11-3	Dimethyl phthalate	ND	280	20	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	280	20	ug/kg	
206-44-0	Fluoranthene	ND	110	9.7	ug/kg	
86-73-7	Fluorene	ND	110	6.2	ug/kg	
118-74-1	Hexachlorobenzene	ND	280	24	ug/kg	
87-68-3	Hexachlorobutadiene	ND	280	22	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	570	3.8	ug/kg	
67-72-1	Hexachloroethane	ND	280	23	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	110	17	ug/kg	
78-59-1	Isophorone	ND	280	28	ug/kg	
91-57-6	2-Methylnaphthalene	ND	110	24	ug/kg	
88-74-4	2-Nitroaniline	ND	570	140	ug/kg	
99-09-2	3-Nitroaniline	ND	570	140	ug/kg	
100-01-6	4-Nitroaniline	ND	570	21	ug/kg	
91-20-3	Naphthalene	ND	110	6.6	ug/kg	
98-95-3	Nitrobenzene	ND	280	8.4	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	280	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	280	15	ug/kg	
85-01-8	Phenanthrene	32.4	110	7.3	ug/kg	J
129-00-0	Pyrene	13.4	110	9.1	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	280	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	62%		30-130%
4165-62-2	Phenol-d5	61%		30-130%
118-79-6	2,4,6-Tribromophenol	51%		30-130%
4165-60-0	Nitrobenzene-d5	62%		30-130%
321-60-8	2-Fluorobiphenyl	64%		30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB05(15-17)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-11	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	82%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB05(15-17)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-11	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846 8015		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH27118.D	1	06/23/12	AF	n/a	n/a	GBH1519
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	9.61 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (VOA)	3.09	7.0	1.3	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	95%		36-148%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB05(15-17)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-11	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846 8081 SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE30815.D	1	07/03/12	AP	06/28/12	OP29435	GBE1712
Run #2							

Run #	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	7.7	2.2	ug/kg	
319-84-6	alpha-BHC	ND	7.7	2.0	ug/kg	
319-85-7	beta-BHC	ND	7.7	2.7	ug/kg	
319-86-8	delta-BHC	ND	7.7	2.0	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	7.7	2.2	ug/kg	
5103-71-9	alpha-Chlordane	ND	7.7	2.9	ug/kg	
5103-74-2	gamma-Chlordane	ND	7.7	2.3	ug/kg	
60-57-1	Dieldrin	ND	7.7	2.3	ug/kg	
72-54-8	4,4' -DDD	ND	7.7	3.1	ug/kg	
72-55-9	4,4' -DDE	ND	7.7	2.4	ug/kg	
50-29-3	4,4' -DDT	ND	7.7	4.3	ug/kg	
72-20-8	Endrin	ND	7.7	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	7.7	3.2	ug/kg	
7421-93-4	Endrin aldehyde	ND	7.7	2.7	ug/kg	
959-98-8	Endosulfan-I	ND	7.7	2.3	ug/kg	
33213-65-9	Endosulfan-II	ND	7.7	2.6	ug/kg	
76-44-8	Heptachlor	ND	7.7	2.4	ug/kg	
1024-57-3	Heptachlor epoxide	ND	7.7	2.3	ug/kg	
72-43-5	Methoxychlor	ND	7.7	3.2	ug/kg	
53494-70-5	Endrin ketone	ND	7.7	3.0	ug/kg	
8001-35-2	Toxaphene	ND	7.7	8.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	341% ^a		30-150%
877-09-8	Tetrachloro-m-xylene	67%		30-150%
2051-24-3	Decachlorobiphenyl	75%		30-150%
2051-24-3	Decachlorobiphenyl	89%		30-150%

(a) Outside control limits due to possible matrix interference. Confirmed by Matrix Spike/Matrix Spike Duplicate.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB05(15-17)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-11	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846 8082 SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK13988.D	1	06/26/12	AP	06/22/12	OP29362	GBK556
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	120	16	ug/kg	
11104-28-2	Aroclor 1221	ND	120	17	ug/kg	
11141-16-5	Aroclor 1232	ND	120	22	ug/kg	
53469-21-9	Aroclor 1242	ND	120	7.8	ug/kg	
12672-29-6	Aroclor 1248	ND	120	3.0	ug/kg	
11097-69-1	Aroclor 1254	ND	120	18	ug/kg	
11096-82-5	Aroclor 1260	ND	120	4.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	110%		30-150%
877-09-8	Tetrachloro-m-xylene	121%		30-150%
2051-24-3	Decachlorobiphenyl	137%		30-150%
2051-24-3	Decachlorobiphenyl	147%		30-150%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB05(15-17)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-11	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846-8015 SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC641227.D	1	06/29/12	KN	06/26/12	OP29392	GBC3003
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (Semi-VOA)	19.2	19	2.3	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	67%		40-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB05(15-17)-061912

Lab Sample ID: MC11638-11

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 85.3

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	10300	20	2.3	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Antimony	0.14 U	1.0	0.14	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Arsenic	6.9	1.0	0.17	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Barium	32.5	5.1	0.071	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Beryllium	0.57	0.41	0.041	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cadmium	0.022 U	0.41	0.022	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Calcium	44900	510	1.7	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Chromium	18.2	1.0	0.11	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cobalt	10.7	5.1	0.041	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Copper	18.9	2.5	0.17	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Iron	20200	10	1.8	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Lead	11.2	1.0	0.20	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Magnesium	24500	510	4.1	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Manganese	417	1.5	0.27	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Mercury	0.013 U	0.035	0.013	mg/kg	1	06/28/12	06/29/12 EM	SW846 7471B ²	SW846 7471B ⁴
Nickel	28.5	4.1	0.060	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Potassium	2880	510	5.9	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Selenium	0.15 U	1.0	0.15	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Silver	0.080 U	0.51	0.080	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Sodium	206 B	510	2.8	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Thallium	0.19 B	1.0	0.12	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Vanadium	17.3	1.0	0.12	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Zinc	41.0	2.0	0.25	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³

(1) Instrument QC Batch: MA14423

(2) Instrument QC Batch: MA14425

(3) Prep QC Batch: MP19228

(4) Prep QC Batch: MP19242

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: BH-SB05(15-17)-061912**Lab Sample ID:** MC11638-11**Matrix:** SO - Soil**Project:** Blackhawk Drive - BA, Forest Park, IL**Date Sampled:** 06/19/12**Date Received:** 06/21/12**Percent Solids:** 85.3

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.13	0.13	mg/kg	1	06/28/12 13:24	MA	SW846 9012 M
Solids, Percent	85.3		%	1	06/22/12	HS	SM21 2540 B MOD.
pH	7.9		su	1	06/22/12	CF	SW846 9045

RL = Reporting Limit

Report of Analysis

Client Sample ID: BH-SB05(15-17)-061912

Lab Sample ID: MC11638-11A

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 85.3

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0019 U	D004	5.0	0.010	0.0019	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Barium	0.55	D005	100	0.50	0.00065	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Cadmium	0.00090 B	D006	1.0	0.0040	0.00021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Chromium	0.0011 U	D007	5.0	0.010	0.0011	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Lead	0.0021 U	D008	5.0	0.010	0.0021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Mercury	0.000062 U	D009	0.20	0.00020	0.000062	mg/l	1	06/27/12	06/28/12	EM SW846 7470A ¹
Selenium	0.0091 B	D010	1.0	0.025	0.0020	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Silver	0.0013 U	D011	5.0	0.0050	0.0013	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²

(1) Instrument QC Batch: MA14418

(2) Instrument QC Batch: MA14421

(3) Prep QC Batch: MP19224

(4) Prep QC Batch: MP19233

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261.6(g))

B = Indicates a result > MDL but < RL

Report of Analysis

Client Sample ID:	BH-SS06(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-12	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M49119.D	1	06/27/12	AMY	n/a	n/a	MSM1645
Run #2							

	Initial Weight	Final Volume
Run #1	7.22 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	4.1	4.1	ug/kg	
71-43-2	Benzene	ND	0.41	0.10	ug/kg	
75-27-4	Bromodichloromethane	ND	1.6	0.17	ug/kg	
75-25-2	Bromoform	ND	1.6	0.38	ug/kg	
74-83-9	Bromomethane	ND	1.6	0.55	ug/kg	
78-93-3	2-Butanone (MEK)	ND	4.1	0.97	ug/kg	
75-15-0	Carbon disulfide	ND	4.1	0.79	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.6	0.18	ug/kg	
108-90-7	Chlorobenzene	ND	1.6	0.076	ug/kg	
75-00-3	Chloroethane	ND	4.1	0.21	ug/kg	
67-66-3	Chloroform	ND	1.6	0.12	ug/kg	
74-87-3	Chloromethane	ND	4.1	0.18	ug/kg	
124-48-1	Dibromochloromethane	ND	1.6	0.53	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.6	0.12	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.6	0.12	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.6	0.26	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	0.22	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	0.20	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.6	0.19	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	0.81	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	0.56	ug/kg	
100-41-4	Ethylbenzene	ND	1.6	0.11	ug/kg	
591-78-6	2-Hexanone	ND	4.1	0.85	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.1	0.68	ug/kg	
75-09-2	Methylene chloride	ND	1.6	0.29	ug/kg	
100-42-5	Styrene	ND	4.1	0.41	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	0.14	ug/kg	
127-18-4	Tetrachloroethene	ND	1.6	0.14	ug/kg	
108-88-3	Toluene	ND	4.1	0.15	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.6	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.6	0.21	ug/kg	
79-01-6	Trichloroethene	ND	1.6	0.16	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS06(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-12	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.6	0.52	ug/kg	
1330-20-7	Xylene (total)	ND	1.6	0.10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	83%		70-130%
2037-26-5	Toluene-D8	83%		70-130%
460-00-4	4-Bromofluorobenzene	79%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS06(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-12	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W2535.D	1	06/27/12	KR	06/25/12	OP29365	MSW125
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.5 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	290	15	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	570	20	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	570	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	570	57	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1100	290	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	570	290	ug/kg	
95-48-7	2-Methylphenol	ND	570	16	ug/kg	
	3&4-Methylphenol	ND	570	30	ug/kg	
88-75-5	2-Nitrophenol	ND	570	34	ug/kg	
100-02-7	4-Nitrophenol	ND	1100	290	ug/kg	
87-86-5	Pentachlorophenol	ND	570	53	ug/kg	
108-95-2	Phenol	ND	290	48	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	570	43	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	570	39	ug/kg	
83-32-9	Acenaphthene	ND	110	24	ug/kg	
208-96-8	Acenaphthylene	21.1	110	21	ug/kg	J
120-12-7	Anthracene	30.2	110	23	ug/kg	J
56-55-3	Benzo(a)anthracene	136	110	11	ug/kg	
50-32-8	Benzo(a)pyrene	141	110	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	241	110	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	149	110	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	65.6	110	8.5	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	290	23	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	290	12	ug/kg	
91-58-7	2-Chloronaphthalene	ND	290	24	ug/kg	
106-47-8	4-Chloroaniline	ND	570	140	ug/kg	
86-74-8	Carbazole	ND	110	22	ug/kg	
218-01-9	Chrysene	184	110	9.3	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	290	22	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	290	6.1	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	290	27	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	290	26	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SS06(0-2)-061912

Lab Sample ID: MC11638-12

Matrix: SO - Soil

Method: SW846 8270C SW846 3546

Project: Blackhawk Drive - BA, Forest Park, IL

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 85.3

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	290	23	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	290	24	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	290	24	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	570	140	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	570	28	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	290	6.9	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	32.8	110	19	ug/kg	J
132-64-9	Dibenzofuran	ND	110	24	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	290	26	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	290	15	ug/kg	
84-66-2	Diethyl phthalate	ND	290	25	ug/kg	
131-11-3	Dimethyl phthalate	ND	290	20	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	26.6	290	20	ug/kg	J
206-44-0	Fluoranthene	245	110	9.7	ug/kg	
86-73-7	Fluorene	ND	110	6.3	ug/kg	
118-74-1	Hexachlorobenzene	ND	290	25	ug/kg	
87-68-3	Hexachlorobutadiene	ND	290	22	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	570	3.9	ug/kg	
67-72-1	Hexachloroethane	ND	290	23	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	112	110	18	ug/kg	
78-59-1	Isophorone	ND	290	28	ug/kg	
91-57-6	2-Methylnaphthalene	ND	110	24	ug/kg	
88-74-4	2-Nitroaniline	ND	570	140	ug/kg	
99-09-2	3-Nitroaniline	ND	570	140	ug/kg	
100-01-6	4-Nitroaniline	ND	570	21	ug/kg	
91-20-3	Naphthalene	ND	110	6.6	ug/kg	
98-95-3	Nitrobenzene	ND	290	8.5	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	290	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	290	15	ug/kg	
85-01-8	Phenanthrene	86.7	110	7.4	ug/kg	J
129-00-0	Pyrene	210	110	9.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	290	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	63%		30-130%
4165-62-2	Phenol-d5	64%		30-130%
118-79-6	2,4,6-Tribromophenol	78%		30-130%
4165-60-0	Nitrobenzene-d5	63%		30-130%
321-60-8	2-Fluorobiphenyl	67%		30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS06(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-12	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	93%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SS06(0-2)-061912

Lab Sample ID: MC11638-12

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 85.3

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	10400	23	2.7	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Antimony	0.16 U	1.2	0.16	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Arsenic	6.1	1.2	0.20	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Barium	80.3	5.8	0.081	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Beryllium	0.56	0.46	0.046	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cadmium	0.17 B	0.46	0.026	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Calcium	51400	580	2.0	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Chromium	14.9	1.2	0.13	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cobalt	7.6	5.8	0.046	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Copper	15.8	2.9	0.20	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Iron	15100	12	2.1	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Lead	23.7	1.2	0.23	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Magnesium	22700	580	4.6	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Manganese	428	1.7	0.30	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Mercury	0.020 B	0.034	0.013	mg/kg	1	06/28/12	06/29/12 EM	SW846 7471B ²	SW846 7471B ⁴
Nickel	17.2	4.6	0.068	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Potassium	1760	580	6.7	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Selenium	0.29 B	1.2	0.17	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Silver	0.091 U	0.58	0.091	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Sodium	116 B	580	3.1	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Thallium	0.14 U	1.2	0.14	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Vanadium	18.8	1.2	0.14	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Zinc	49.3	2.3	0.29	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³

(1) Instrument QC Batch: MA14423

(2) Instrument QC Batch: MA14425

(3) Prep QC Batch: MP19228

(4) Prep QC Batch: MP19242

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SS06(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-12	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.3
Project:	Blackhawk Drive - BA, Forest Park, IL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.14	0.14	mg/kg	1	06/28/12 13:25	MA	SW846 9012 M
Solids, Percent	85.3		%	1	06/22/12	HS	SM21 2540 B MOD.
pH	7.6		su	1	06/22/12	CF	SW846 9045

RL = Reporting Limit

Report of Analysis

Client Sample ID: BH-SS06(0-2)-061912**Lab Sample ID:** MC11638-12A**Matrix:** SO - Soil**Date Sampled:** 06/19/12**Date Received:** 06/21/12**Percent Solids:** 85.3**Project:** Blackhawk Drive - BA, Forest Park, IL**Metals Analysis, TCLP Leachate SW846 1311**

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0019 U	D004	5.0	0.010	0.0019	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Barium	0.46 B	D005	100	0.50	0.00065	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Cadmium	0.00090 B	D006	1.0	0.0040	0.00021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Chromium	0.0011 U	D007	5.0	0.010	0.0011	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Lead	0.0021 U	D008	5.0	0.010	0.0021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Mercury	0.000062 U	D009	0.20	0.00020	0.000062	mg/l	1	06/27/12	06/28/12	EM SW846 7470A ¹
Selenium	0.0063 B	D010	1.0	0.025	0.0020	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Silver	0.0013 U	D011	5.0	0.0050	0.0013	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²

(1) Instrument QC Batch: MA14418

(2) Instrument QC Batch: MA14421

(3) Prep QC Batch: MP19224

(4) Prep QC Batch: MP19233

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261.6(g))

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SB06(13-15)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-13	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	84.5
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M49106.D	1	06/26/12	AMY	n/a	n/a	MSM1644
Run #2							

Run #	Initial Weight	Final Volume
Run #1	9.02 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	8.3	3.3	3.3	ug/kg	
71-43-2	Benzene	ND	0.33	0.082	ug/kg	
75-27-4	Bromodichloromethane	ND	1.3	0.14	ug/kg	
75-25-2	Bromoform	ND	1.3	0.31	ug/kg	
74-83-9	Bromomethane	ND	1.3	0.44	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3.3	0.78	ug/kg	
75-15-0	Carbon disulfide	ND	3.3	0.64	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.3	0.15	ug/kg	
108-90-7	Chlorobenzene	ND	1.3	0.061	ug/kg	
75-00-3	Chloroethane	ND	3.3	0.17	ug/kg	
67-66-3	Chloroform	ND	1.3	0.097	ug/kg	
74-87-3	Chloromethane	ND	3.3	0.14	ug/kg	
124-48-1	Dibromochloromethane	ND	1.3	0.43	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.3	0.10	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.095	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.3	0.21	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.3	0.18	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.3	0.17	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.3	0.15	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.3	0.65	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.3	0.45	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.085	ug/kg	
591-78-6	2-Hexanone	ND	3.3	0.69	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	3.3	0.55	ug/kg	
75-09-2	Methylene chloride	ND	1.3	0.24	ug/kg	
100-42-5	Styrene	ND	3.3	0.33	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.3	0.12	ug/kg	
127-18-4	Tetrachloroethene	ND	1.3	0.11	ug/kg	
108-88-3	Toluene	ND	3.3	0.12	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.3	0.12	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.3	0.17	ug/kg	
79-01-6	Trichloroethene	ND	1.3	0.13	ug/kg	

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

2H
 7/11/12

Report of Analysis

Client Sample ID:	BH-SB06(13-15)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-13	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	84.5
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.3	0.42	ug/kg	
1330-20-7	Xylene (total)	ND	1.3	0.083	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		70-130%
2037-26-5	Toluene-D8	84%		70-130%
460-00-4	4-Bromofluorobenzene	85%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB06(13-15)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-13	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	84.5
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W2536.D	1	06/27/12	KR	06/25/12	OP29365	MSW125
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.5 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	290	15	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	580	20	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	580	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	580	58	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1200	290	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	580	290	ug/kg	
95-48-7	2-Methylphenol	ND	580	17	ug/kg	
	3&4-Methylphenol	ND	580	31	ug/kg	
88-75-5	2-Nitrophenol	ND	580	35	ug/kg	
100-02-7	4-Nitrophenol	ND	1200	290	ug/kg	
87-86-5	Pentachlorophenol	ND	580	54	ug/kg	
108-95-2	Phenol	ND	290	48	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	580	43	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	580	40	ug/kg	
83-32-9	Acenaphthene	ND	120	24	ug/kg	
208-96-8	Acenaphthylene	ND	120	22	ug/kg	
120-12-7	Anthracene	ND	120	23	ug/kg	
56-55-3	Benzo(a)anthracene	ND	120	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	120	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	120	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	19.2	120	19	ug/kg	J
207-08-9	Benzo(k)fluoranthene	ND	120	8.5	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	290	23	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	290	12	ug/kg	
91-58-7	2-Chloronaphthalene	ND	290	24	ug/kg	
106-47-8	4-Chloroaniline	ND	580	140	ug/kg	
86-74-8	Carbazole	ND	120	23	ug/kg	
218-01-9	Chrysene	ND	120	9.4	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	290	23	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	290	6.2	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	290	27	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	290	26	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB06(13-15)-061912**Lab Sample ID:** MC11638-13**Date Sampled:** 06/19/12**Matrix:** SO - Soil**Date Received:** 06/21/12**Method:** SW846 8270C SW846 3546**Percent Solids:** 84.5**Project:** Blackhawk Drive - BA, Forest Park, IL

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	290	23	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	290	24	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	290	24	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	580	140	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	580	28	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	290	6.9	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	120	19	ug/kg	
132-64-9	Dibenzofuran	ND	120	25	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	290	26	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	290	15	ug/kg	
84-66-2	Diethyl phthalate	ND	290	25	ug/kg	
131-11-3	Dimethyl phthalate	ND	290	20	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	290	20	ug/kg	
206-44-0	Fluoranthene	ND	120	9.8	ug/kg	
86-73-7	Fluorene	ND	120	6.3	ug/kg	
118-74-1	Hexachlorobenzene	ND	290	25	ug/kg	
87-68-3	Hexachlorobutadiene	ND	290	23	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	580	3.9	ug/kg	
67-72-1	Hexachloroethane	ND	290	23	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	120	18	ug/kg	
78-59-1	Isophorone	ND	290	29	ug/kg	
91-57-6	2-Methylnaphthalene	ND	120	24	ug/kg	
88-74-4	2-Nitroaniline	ND	580	140	ug/kg	
99-09-2	3-Nitroaniline	ND	580	140	ug/kg	
100-01-6	4-Nitroaniline	ND	580	21	ug/kg	
91-20-3	Naphthalene	ND	120	6.7	ug/kg	
98-95-3	Nitrobenzene	ND	290	8.5	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	290	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	290	15	ug/kg	
85-01-8	Phenanthrene	ND	120	7.4	ug/kg	
129-00-0	Pyrene	ND	120	9.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	290	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	59%		30-130%
4165-62-2	Phenol-d5	59%		30-130%
118-79-6	2,4,6-Tribromophenol	61%		30-130%
4165-60-0	Nitrobenzene-d5	60%		30-130%
321-60-8	2-Fluorobiphenyl	60%		30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB06(13-15)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-13	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	84.5
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	79%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB06(13-15)-061912

Lab Sample ID: MC11638-13

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 84.5

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	9700	21	2.4	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Antimony	0.15 U	1.0	0.15	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Arsenic	9.3	1.0	0.18	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Barium	23.8	5.2	0.073	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Beryllium	0.52	0.42	0.042	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cadmium	0.023 U	0.42	0.023	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Calcium	37000	520	1.8	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Chromium	18.3	1.0	0.11	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cobalt	10.8	5.2	0.042	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Copper	19.1	2.6	0.18	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Iron	20800	10	1.9	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Lead	15.8	1.0	0.21	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Magnesium	23400	520	4.2	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Manganese	339	1.6	0.27	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Mercury	0.013 U	0.036	0.013	mg/kg	1	06/28/12	06/29/12 EM	SW846 7471B ²	SW846 7471B ⁴
Nickel	31.5	4.2	0.061	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Potassium	2460	520	6.0	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Selenium	0.16 U	1.0	0.16	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Silver	0.081 U	0.52	0.081	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Sodium	130 B	520	2.8	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Thallium	0.20 B	1.0	0.12	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Vanadium	15.0	1.0	0.12	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Zinc	57.2	2.1	0.26	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³

(1) Instrument QC Batch: MA14423

(2) Instrument QC Batch: MA14425

(3) Prep QC Batch: MP19228

(4) Prep QC Batch: MP19242

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SB06(13-15)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-13	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	84.5
Project:	Blackhawk Drive - BA, Forest Park, IL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.14	0.14	mg/kg	1	06/28/12 13:29	MA	SW846 9012 M
Solids, Percent	84.5		%	1	06/22/12	HS	SM21 2540 B MOD.
pH	8.1		su	1	06/22/12	CF	SW846 9045

RL = Reporting Limit

Report of Analysis

Client Sample ID: BH-SB06(13-15)-061912

Lab Sample ID: MC11638-13A

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 84.5

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0019 U	D004	5.0	0.010	0.0019	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Barium	0.33 B	D005	100	0.50	0.00065	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Cadmium	0.0013 B	D006	1.0	0.0040	0.00021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Chromium	0.0011 U	D007	5.0	0.010	0.0011	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Lead	0.0025 B	D008	5.0	0.010	0.0021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Mercury	0.000062 U	D009	0.20	0.00020	0.000062	mg/l	1	06/27/12	06/28/12	EM SW846 7470A ¹
Selenium	0.0076 B	D010	1.0	0.025	0.0020	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Silver	0.0013 U	D011	5.0	0.0050	0.0013	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²

(1) Instrument QC Batch: MA14418

(2) Instrument QC Batch: MA14421

(3) Prep QC Batch: MP19224

(4) Prep QC Batch: MP19233

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261.6/96)

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: BH-SB06(13-15)-061912D

Lab Sample ID: MC11638-14

Matrix: SO - Soil

Method: SW846 8260B

Project: Blackhawk Drive - BA, Forest Park, IL

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 84.3

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M49107.D	1	06/26/12	AMY	n/a	n/a	MSM1644
Run #2							

Run #	Initial Weight	Final Volume
Run #1	7.84 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	9.8 J	3.8	3.8	ug/kg	
71-43-2	Benzene	ND	0.38	0.095	ug/kg	
75-27-4	Bromodichloromethane	ND	1.5	0.16	ug/kg	
75-25-2	Bromoform	ND	1.5	0.36	ug/kg	
74-83-9	Bromomethane	ND	1.5	0.51	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3.8	0.90	ug/kg	
75-15-0	Carbon disulfide	ND	3.8	0.73	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.5	0.17	ug/kg	
108-90-7	Chlorobenzene	ND	1.5	0.071	ug/kg	
75-00-3	Chloroethane	ND	3.8	0.20	ug/kg	
67-66-3	Chloroform	ND	1.5	0.11	ug/kg	
74-87-3	Chloromethane	ND	3.8	0.16	ug/kg	
124-48-1	Dibromochloromethane	ND	1.5	0.49	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.5	0.12	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.5	0.11	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.5	0.24	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.5	0.20	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.19	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.5	0.17	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.5	0.76	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.5	0.52	ug/kg	
100-41-4	Ethylbenzene	ND	1.5	0.098	ug/kg	
591-78-6	2-Hexanone	ND	3.8	0.79	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	3.8	0.64	ug/kg	
75-09-2	Methylene chloride	ND	1.5	0.27	ug/kg	
100-42-5	Styrene	ND	3.8	0.38	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.5	0.13	ug/kg	
127-18-4	Tetrachloroethene	ND	1.5	0.13	ug/kg	
108-88-3	Toluene	ND	3.8	0.14	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.5	0.14	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.19	ug/kg	
79-01-6	Trichloroethene	ND	1.5	0.15	ug/kg	

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7/11/12

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB06(13-15)-061912D	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-14	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	84.3
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.5	0.49	ug/kg	
1330-20-7	Xylene (total)	ND	1.5	0.095	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	83%		70-130%
2037-26-5	Toluene-D8	82%		70-130%
460-00-4	4-Bromofluorobenzene	82%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB06(13-15)-061912D	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-14	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	84.3
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W2537.D	1	06/27/12	KR	06/25/12	OP29365	MSW125
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.5 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	290	16	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	580	20	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	580	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	580	58	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1200	290	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	580	290	ug/kg	
95-48-7	2-Methylphenol	ND	580	17	ug/kg	
	3&4-Methylphenol	ND	580	31	ug/kg	
88-75-5	2-Nitrophenol	ND	580	35	ug/kg	
100-02-7	4-Nitrophenol	ND	1200	290	ug/kg	
87-86-5	Pentachlorophenol	ND	580	54	ug/kg	
108-95-2	Phenol	ND	290	48	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	580	43	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	580	40	ug/kg	
83-32-9	Acenaphthene	ND	120	24	ug/kg	
208-96-8	Acenaphthylene	ND	120	22	ug/kg	
120-12-7	Anthracene	ND	120	23	ug/kg	
56-55-3	Benzo(a)anthracene	ND	120	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	120	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	120	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	120	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	120	8.6	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	290	24	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	290	12	ug/kg	
91-58-7	2-Chloronaphthalene	ND	290	24	ug/kg	
106-47-8	4-Chloroaniline	ND	580	140	ug/kg	
86-74-8	Carbazole	ND	120	23	ug/kg	
218-01-9	Chrysene	ND	120	9.4	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	290	23	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	290	6.2	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	290	28	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	290	26	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB06(13-15)-061912D	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-14	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	84.3
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	290	23	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	290	24	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	290	24	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	580	140	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	580	28	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	290	7.0	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	120	19	ug/kg	
132-64-9	Dibenzofuran	ND	120	25	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	290	26	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	290	15	ug/kg	
84-66-2	Diethyl phthalate	ND	290	25	ug/kg	
131-11-3	Dimethyl phthalate	ND	290	20	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	290	20	ug/kg	
206-44-0	Fluoranthene	ND	120	9.8	ug/kg	
86-73-7	Fluorene	ND	120	6.4	ug/kg	
118-74-1	Hexachlorobenzene	ND	290	25	ug/kg	
87-68-3	Hexachlorobutadiene	ND	290	23	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	580	3.9	ug/kg	
67-72-1	Hexachloroethane	ND	290	24	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	120	18	ug/kg	
78-59-1	Isophorone	ND	290	29	ug/kg	
91-57-6	2-Methylnaphthalene	ND	120	24	ug/kg	
88-74-4	2-Nitroaniline	ND	580	140	ug/kg	
99-09-2	3-Nitroaniline	ND	580	140	ug/kg	
100-01-6	4-Nitroaniline	ND	580	21	ug/kg	
91-20-3	Naphthalene	ND	120	6.7	ug/kg	
98-95-3	Nitrobenzene	ND	290	8.6	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	290	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	290	15	ug/kg	
85-01-8	Phenanthrene	ND	120	7.5	ug/kg	
129-00-0	Pyrene	11.6	120	9.3	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	290	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	63%		30-130%
4165-62-2	Phenol-d5	63%		30-130%
118-79-6	2,4,6-Tribromophenol	66%		30-130%
4165-60-0	Nitrobenzene-d5	63%		30-130%
321-60-8	2-Fluorobiphenyl	65%		30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB06(13-15)-061912D	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-14	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	84.3
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	92%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB06(13-15)-061912D

Lab Sample ID: MC11638-14

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 84.3

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	11000	22	2.5	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Antimony	0.15 U	1.1	0.15	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Arsenic	7.1	1.1	0.19	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Barium	58.0	5.5	0.077	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Beryllium	0.57	0.44	0.044	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cadmium	0.024 U	0.44	0.024	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Calcium	49300	550	1.9	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Chromium	19.2	1.1	0.12	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cobalt	10.6	5.5	0.044	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Copper	16.3	2.7	0.19	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Iron	18800	11	2.0	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Lead	10.7	1.1	0.22	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Magnesium	22800	550	4.4	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Manganese	491	1.6	0.29	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Mercury	0.014 U	0.037	0.014	mg/kg	1	06/28/12	06/29/12 EM	SW846 7471B ²	SW846 7471B ⁴
Nickel	27.1	4.4	0.065	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Potassium	2820	550	6.4	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Selenium	0.16 U	1.1	0.16	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Silver	0.086 U	0.55	0.086	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Sodium	157 B	550	3.0	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Thallium	0.13 U	1.1	0.13	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Vanadium	19.0	1.1	0.13	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Zinc	46.5	2.2	0.27	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³

(1) Instrument QC Batch: MA14423

(2) Instrument QC Batch: MA14425

(3) Prep QC Batch: MP19228

(4) Prep QC Batch: MP19242

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SB06(13-15)-061912D	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-14	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	84.3
Project:	Blackhawk Drive - BA, Forest Park, IL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.14	0.14	mg/kg	1	06/28/12 13:30	MA	SW846 9012 M
Solids, Percent	84.3		%	1	06/22/12	HS	SM21 2540 B MOD.
pH	8.2		su	1	06/22/12	CF	SW846 9045

RL = Reporting Limit

Report of Analysis

Client Sample ID: BH-SB06(13-15)-061912D

Lab Sample ID: MC11638-14A

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 84.3

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0019 U	D004	5.0	0.010	0.0019	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Barium	0.29 B	D005	100	0.50	0.00065	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Cadmium	0.0030 B	D006	1.0	0.0040	0.00021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Chromium	0.0011 U	D007	5.0	0.010	0.0011	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Lead	0.0082 B	D008	5.0	0.010	0.0021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Mercury	0.000062 U	D009	0.20	0.00020	0.000062	mg/l	1	06/27/12	06/28/12	EM SW846 7470A ¹
Selenium	0.013 B	D010	1.0	0.025	0.0020	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Silver	0.0013 U	D011	5.0	0.0050	0.0013	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²

(1) Instrument QC Batch: MA14418

(2) Instrument QC Batch: MA14421

(3) Prep QC Batch: MP19224

(4) Prep QC Batch: MP19233

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261.6/96)

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	TB-01	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-15	Date Received:	06/21/12
Matrix:	SO - Trip Blank Methanol	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K60753.D	1	07/02/12	GK	n/a	n/a	MSK2036
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	250	250	ug/kg	
71-43-2	Benzene	ND	25	6.3	ug/kg	
75-27-4	Bromodichloromethane	ND	100	10	ug/kg	
75-25-2	Bromoform	ND	100	24	ug/kg	
74-83-9	Bromomethane	ND	100	34	ug/kg	
78-93-3	2-Butanone (MEK)	ND	250	59	ug/kg	
75-15-0	Carbon disulfide	ND	250	48	ug/kg	
56-23-5	Carbon tetrachloride	ND	100	11	ug/kg	
108-90-7	Chlorobenzene	ND	100	4.7	ug/kg	
75-00-3	Chloroethane	ND	250	13	ug/kg	
67-66-3	Chloroform	ND	100	7.4	ug/kg	
74-87-3	Chloromethane	ND	250	11	ug/kg	
124-48-1	Dibromochloromethane	ND	100	33	ug/kg	
75-34-3	1,1-Dichloroethane	ND	100	7.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	100	7.3	ug/kg	
75-35-4	1,1-Dichloroethene	ND	100	16	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	100	14	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	100	13	ug/kg	
78-87-5	1,2-Dichloropropane	ND	100	11	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	100	50	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	100	34	ug/kg	
100-41-4	Ethylbenzene	ND	100	6.5	ug/kg	
591-78-6	2-Hexanone	ND	250	52	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	250	42	ug/kg	
75-09-2	Methylene chloride	ND	100	18	ug/kg	
100-42-5	Styrene	ND	250	25	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	8.8	ug/kg	
127-18-4	Tetrachloroethene	ND	100	8.4	ug/kg	
108-88-3	Toluene	ND	250	9.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	100	9.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	100	13	ug/kg	
79-01-6	Trichloroethene	ND	100	9.8	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-01	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-15	Date Received:	06/21/12
Matrix:	SO - Trip Blank Methanol	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	100	32	ug/kg	
1330-20-7	Xylene (total)	ND	100	6.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	124%		70-130%
2037-26-5	Toluene-D8	110%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-01	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-15A	Date Received:	06/21/12
Matrix:	SO - Trip Blank Soil	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V9215.D	1	06/23/12	AMY	n/a	n/a	MSV386
Run #2							

	Initial Weight	Final Volume
Run #1	5.00 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	20.6	5.0	5.0	ug/kg	
71-43-2	Benzene	ND	0.50	0.13	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.21	ug/kg	
75-25-2	Bromoform	ND	2.0	0.47	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.68	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	1.2	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.97	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.22	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.094	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.26	ug/kg	
67-66-3	Chloroform	ND	2.0	0.15	ug/kg	
74-87-3	Chloromethane	ND	5.0	0.22	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.65	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.15	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.32	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.27	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.25	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.23	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	1.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.68	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.13	ug/kg	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	0.84	ug/kg	
75-09-2	Methylene chloride	ND	2.0	0.36	ug/kg	
100-42-5	Styrene	ND	5.0	0.50	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.18	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.17	ug/kg	
108-88-3	Toluene	ND	5.0	0.18	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.25	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.20	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-01	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-15A	Date Received:	06/21/12
Matrix:	SO - Trip Blank Soil	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.64	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		70-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-02	Date Sampled:	06/20/12
Lab Sample ID:	MC11638-16	Date Received:	06/21/12
Matrix:	SO - Trip Blank Methanol	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K60754.D	1	07/02/12	GK	n/a	n/a	MSK2036
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	250	250	ug/kg	
71-43-2	Benzene	ND	25	6.3	ug/kg	
75-27-4	Bromodichloromethane	ND	100	10	ug/kg	
75-25-2	Bromoform	ND	100	24	ug/kg	
74-83-9	Bromomethane	ND	100	34	ug/kg	
78-93-3	2-Butanone (MEK)	ND	250	59	ug/kg	
75-15-0	Carbon disulfide	ND	250	48	ug/kg	
56-23-5	Carbon tetrachloride	ND	100	11	ug/kg	
108-90-7	Chlorobenzene	ND	100	4.7	ug/kg	
75-00-3	Chloroethane	ND	250	13	ug/kg	
67-66-3	Chloroform	ND	100	7.4	ug/kg	
74-87-3	Chloromethane	ND	250	11	ug/kg	
124-48-1	Dibromochloromethane	ND	100	33	ug/kg	
75-34-3	1,1-Dichloroethane	ND	100	7.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	100	7.3	ug/kg	
75-35-4	1,1-Dichloroethene	ND	100	16	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	100	14	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	100	13	ug/kg	
78-87-5	1,2-Dichloropropane	ND	100	11	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	100	50	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	100	34	ug/kg	
100-41-4	Ethylbenzene	ND	100	6.5	ug/kg	
591-78-6	2-Hexanone	ND	250	52	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	250	42	ug/kg	
75-09-2	Methylene chloride	ND	100	18	ug/kg	
100-42-5	Styrene	ND	250	25	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	8.8	ug/kg	
127-18-4	Tetrachloroethene	ND	100	8.4	ug/kg	
108-88-3	Toluene	ND	250	9.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	100	9.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	100	13	ug/kg	
79-01-6	Trichloroethene	ND	100	9.8	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-02	Date Sampled:	06/20/12
Lab Sample ID:	MC11638-16	Date Received:	06/21/12
Matrix:	SO - Trip Blank Methanol	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	100	32	ug/kg	
1330-20-7	Xylene (total)	ND	100	6.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	127%		70-130%
2037-26-5	Toluene-D8	112%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-02	Date Sampled:	06/20/12
Lab Sample ID:	MC11638-16A	Date Received:	06/21/12
Matrix:	SO - Trip Blank Soil	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V9216.D	1	06/23/12	AMY	n/a	n/a	MSV386
Run #2							

	Initial Weight	Final Volume
Run #1	5.00 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	12.0	5.0	5.0	ug/kg	
71-43-2	Benzene	ND	0.50	0.13	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.21	ug/kg	
75-25-2	Bromoform	ND	2.0	0.47	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.68	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	1.2	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.97	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.22	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.094	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.26	ug/kg	
67-66-3	Chloroform	ND	2.0	0.15	ug/kg	
74-87-3	Chloromethane	ND	5.0	0.22	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.65	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.15	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.32	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.27	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.25	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.23	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	1.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.68	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.13	ug/kg	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	0.84	ug/kg	
75-09-2	Methylene chloride	ND	2.0	0.36	ug/kg	
100-42-5	Styrene	ND	5.0	0.50	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.18	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.17	ug/kg	
108-88-3	Toluene	ND	5.0	0.18	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.25	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.20	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-02	Date Sampled:	06/20/12
Lab Sample ID:	MC11638-16A	Date Received:	06/21/12
Matrix:	SO - Trip Blank Soil	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.64	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		70-130%
2037-26-5	Toluene-D8	101%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-IDW-062012	Date Sampled:	06/20/12
Lab Sample ID:	MC11638-17	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	81.6
Method:	SW846 8260B SW846 1311		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L64528.D	100	06/30/12	TT	06/25/12	GP14685	MSL3094
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCLP Leachate

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.050	0.024	mg/l	
78-93-3	2-Butanone (MEK)	ND	D035	200	0.50	0.24	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.10	0.087	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.10	0.047	mg/l	
67-66-3	Chloroform	ND	D022	6.0	0.10	0.050	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.10	0.064	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.10	0.063	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.10	0.041	mg/l	
127-18-4	Tetrachloroethene	ND	D039	0.70	0.10	0.042	mg/l	
79-01-6	Trichloroethene	ND	D040	0.50	0.10	0.078	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.10	0.063	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	83%		70-130%
2037-26-5	Toluene-D8	85%		70-130%
460-00-4	4-Bromofluorobenzene	91%		70-130%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 MCL = Maximum Contamination Level (40 CFR 261 6/96) B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-IDW-062012	Date Sampled:	06/20/12
Lab Sample ID:	MC11638-17	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	81.6
Method:	SW846 8270C SW846 3510C		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I78970.D	1	06/28/12	NS	06/27/12	OP29418	MSI2929
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

ABN TCLP Leachate

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	D023	200	0.10	0.0060	mg/l	
	3&4-Methylphenol	ND	D024	200	0.10	0.0075	mg/l	
87-86-5	Pentachlorophenol	ND	D037	100	0.10	0.0064	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	D041	400	0.10	0.0049	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	D042	2.0	0.10	0.0035	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.050	0.0021	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	D030	0.13	0.10	0.020	mg/l	
118-74-1	Hexachlorobenzene	ND	D032	0.13	0.050	0.0050	mg/l	
87-68-3	Hexachlorobutadiene	ND	D033	0.50	0.050	0.0033	mg/l	
67-72-1	Hexachloroethane	ND	D034	3.0	0.050	0.020	mg/l	
98-95-3	Nitrobenzene	ND	D036	2.0	0.050	0.0024	mg/l	
110-86-1	Pyridine	ND	D038	5.0	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	89%		15-110%
4165-62-2	Phenol-d5	79%		15-110%
118-79-6	2,4,6-Tribromophenol	92%		15-110%
4165-60-0	Nitrobenzene-d5	97%		30-130%
321-60-8	2-Fluorobiphenyl	87%		30-130%
1718-51-0	Terphenyl-d14	100%		30-130%

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

MCL = Maximum Contamination Level (40 CFR 261 6/96)

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-IDW-062012

Lab Sample ID: MC11638-17

Matrix: SO - Soil

Date Sampled: 06/20/12

Date Received: 06/21/12

Percent Solids: 81.6

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0019 U	D004	5.0	0.010	0.0019	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Barium	0.58	D005	100	0.50	0.00065	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Cadmium	0.0011 B	D006	1.0	0.0040	0.00021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Chromium	0.0011 U	D007	5.0	0.010	0.0011	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Lead	0.0021 U	D008	5.0	0.010	0.0021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Mercury	0.000062 U	D009	0.20	0.00020	0.000062	mg/l	1	06/27/12	06/28/12	EM SW846 7470A ¹
Selenium	0.0068 B	D010	1.0	0.025	0.0020	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Silver	0.0013 U	D011	5.0	0.0050	0.0013	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²

(1) Instrument QC Batch: MA14418

(2) Instrument QC Batch: MA14421

(3) Prep QC Batch: MP19224

(4) Prep QC Batch: MP19233

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261.6/96)

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: BH-IDW-062012**Lab Sample ID:** MC11638-17**Matrix:** SO - Soil**Project:** Blackhawk Drive - BA, Forest Park, IL**Date Sampled:** 06/20/12**Date Received:** 06/21/12**Percent Solids:** 81.6**General Chemistry**

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.14	0.14	mg/kg	1	06/28/12 13:31	MA	SW846 9012 M
Ignitability (Flashpoint)	> 230		Deg. F	1	06/25/12	BF	SW846 1020
Solids, Percent	81.6		%	1	06/22/12	HS	SM21 2540 B MOD.
pH	8.1		su	1	06/22/12	CF	SW846 9045

RL = Reporting Limit



07/09/12

Technical Report for

Weston Solutions, Inc.

Blackhawk Drive - BA, Forest Park, IL

Accutest Job Number: MC11638

Sampling Dates: 06/19/12 - 06/20/12

Report to:

Weston Solutions, Inc.

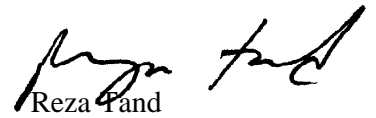
T.balla@westonsolutions.com

ATTN: Tonya Balla

Total number of pages in report: **289**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.


Reza Fand
Lab Director

Client Service contact: Jeremy Vienneau 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) ISO 17025:2005 (L2235)

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Test results relate only to samples analyzed.

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Sample Summary

Weston Solutions, Inc.

Job No: MC11638

Blackhawk Drive - BA, Forest Park, IL

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
MC11638-1	06/19/12	09:15 JC	06/21/12	SO	Soil	BH-SS01(0-2)-061912
MC11638-1A	06/19/12	09:15 JC	06/21/12	SO	Soil	BH-SS01(0-2)-061912
MC11638-2	06/19/12	09:25 JC	06/21/12	SO	Soil	BH-SB01(18-20)-061912
MC11638-2A	06/19/12	09:25 JC	06/21/12	SO	Soil	BH-SB01(18-20)-061912
MC11638-3	06/19/12	09:50 JC	06/21/12	SO	Soil	BH-SS02(0-2)-061912
MC11638-3A	06/19/12	09:50 JC	06/21/12	SO	Soil	BH-SS02(0-2)-061912
MC11638-4	06/19/12	10:00 JC	06/21/12	SO	Soil	BH-SB02(18-20)-061912
MC11638-4A	06/19/12	10:00 JC	06/21/12	SO	Soil	BH-SB02(18-20)-061912
MC11638-5	06/19/12	10:25 JC	06/21/12	SO	Soil	BH-SS03(0-2)-061912
MC11638-5A	06/19/12	10:25 JC	06/21/12	SO	Soil	BH-SS03(0-2)-061912
MC11638-6	06/19/12	10:35 JC	06/21/12	SO	Soil	BH-SB03(18-20)-061912
MC11638-6A	06/19/12	10:35 JC	06/21/12	SO	Soil	BH-SB03(18-20)-061912
MC11638-7	06/19/12	11:05 JC	06/21/12	SO	Soil	BH-SS04(0-2)-061912

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary

(continued)

Weston Solutions, Inc.

Job No: MC11638

Blackhawk Drive - BA, Forest Park, IL

Sample Number	Collected		Matrix	Received	Code	Type	Client Sample ID
	Date	Time By					
MC11638-7A	06/19/12	11:05 JC	06/21/12	SO	Soil		BH-SS04(0-2)-061912
MC11638-8	06/19/12	11:27 JC	06/21/12	SO	Soil		BH-SB04(13-15)-061912
MC11638-8A	06/19/12	11:27 JC	06/21/12	SO	Soil		BH-SB04(13-15)-061912
MC11638-8D	06/19/12	11:27 JC	06/21/12	SO	Soil Dup/MSD		BH-SB04(13-15)-061912
MC11638-8DA	06/19/12	11:27 JC	06/21/12	SO	Soil Dup/MSD		BH-SB04(13-15)-061912
MC11638-8S	06/19/12	11:27 JC	06/21/12	SO	Soil Matrix Spike		BH-SB04(13-15)-061912
MC11638-8SA	06/19/12	11:27 JC	06/21/12	SO	Soil Matrix Spike		BH-SB04(13-15)-061912
MC11638-9	06/19/12	12:10 JC	06/21/12	SO	Soil		BH-SS05(0-2)-061912
MC11638-9A	06/19/12	12:10 JC	06/21/12	SO	Soil		BH-SS05(0-2)-061912
MC11638-9D	06/19/12	12:10 JC	06/21/12	SO	Soil Dup/MSD		BH-SS05(0-2)-061912
MC11638-9S	06/19/12	12:10 JC	06/21/12	SO	Soil Matrix Spike		BH-SS05(0-2)-061912
MC11638-10	06/19/12	12:10 JC	06/21/12	SO	Soil		BH-SS05(0-2)-061912D
MC11638-10A	06/19/12	12:10 JC	06/21/12	SO	Soil		BH-SS05(0-2)-061912D

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary

(continued)

Weston Solutions, Inc.

Job No: MC11638

Blackhawk Drive - BA, Forest Park, IL

Sample Number	Collected			Received	Matrix		Client Sample ID
	Date	Time	By		Code	Type	
MC11638-11	06/19/12	12:35	JC	06/21/12	SO	Soil	BH-SB05(15-17)-061912
MC11638-11A	06/19/12	12:35	JC	06/21/12	SO	Soil	BH-SB05(15-17)-061912
MC11638-12	06/19/12	13:00	JC	06/21/12	SO	Soil	BH-SS06(0-2)-061912
MC11638-12A	06/19/12	13:00	JC	06/21/12	SO	Soil	BH-SS06(0-2)-061912
MC11638-13	06/19/12	13:20	JC	06/21/12	SO	Soil	BH-SB06(13-15)-061912
MC11638-13A	06/19/12	13:20	JC	06/21/12	SO	Soil	BH-SB06(13-15)-061912
MC11638-14	06/19/12	13:20	JC	06/21/12	SO	Soil	BH-SB06(13-15)-061912D
MC11638-14A	06/19/12	13:20	JC	06/21/12	SO	Soil	BH-SB06(13-15)-061912D
MC11638-15	06/19/12	17:00	JC	06/21/12	SO	Trip Blank Methanol	TB-01
MC11638-15A	06/19/12	17:00	JC	06/21/12	SO	Trip Blank Soil	TB-01
MC11638-16	06/20/12	13:00	JC	06/21/12	SO	Trip Blank Methanol	TB-02
MC11638-16A	06/20/12	13:00	JC	06/21/12	SO	Trip Blank Soil	TB-02
MC11638-17	06/20/12	11:50	JC	06/21/12	SO	Soil	BH-IDW-062012

 Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Weston Solutions, Inc.

Job No MC11638

Site: Blackhawk Drive - BA, Forest Park, IL

Report Date 7/6/2012 1:32:38 PM

15 Sample(s), 4 Trip Blank(s) were collected on between 06/19/2012 and 06/20/2012 and were received at Accutest on 06/21/2012 properly preserved, at 2.7 Deg. C and intact. These Samples received an Accutest job number of MC11638. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix LEACHATE

Batch ID: GP14685

- Sample(s) MC11638-17LS were used as the QC samples indicated.
- All samples were analyzed within the recommended method holding time.

Matrix SO

Batch ID: MSK2034

- All samples were analyzed within the recommended method holding time.
- Sample(s) MC11742-2MS, MC11742-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- MS/MSD Recovery(s) for Acetone are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.

Matrix SO

Batch ID: MSK2036

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC11863-4MS, MC11863-4MSD were used as the QC samples indicated.
- BS/BSD Recovery(s) for Chloromethane are outside control limits. Blank Spike meets program technical requirements.
- Matrix Spike Recovery(s) for 1,1-Dichloroethane, 1,1-Dichloroethene, Acetone, Bromomethane, Chloroethane, Chloromethane, Methylene chloride, trans-1,2-Dichloroethene, Vinyl chloride are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- Matrix Spike Duplicate Recovery(s) for 1,1-Dichloroethene, Acetone, Bromomethane, Chloroethane, Chloromethane are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.

Matrix SO

Batch ID: MSM1644

- All samples were analyzed within the recommended method holding time.
- Sample(s) MC11638-8MS, MC11638-8MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for 1,1,2-Trichloroethane, 1,2-Dichloroethane, 2-Butanone (MEK), Acetone, Bromodichloromethane, Bromoform, Carbon disulfide, Chlorobenzene, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Dibromochloromethane, Ethylbenzene, Styrene, Toluene, trans-1,3-Dichloropropene, Trichloroethene, Xylene (total) are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- Matrix Spike Duplicate Recovery(s) for 2-Butanone (MEK), Acetone are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.

Volatiles by GCMS By Method SW846 8260B

Matrix	SO	Batch ID:	MSM1644
<ul style="list-style-type: none"> RPD(s) for MSD for 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,2-Dichloroethane, 1,2-Dichloropropene, 4-Methyl-2-pentanone (MIBK), Benzene, Bromodichloromethane, Bromoform, Bromomethane, Carbon disulfide, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloromethane, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Dibromochloromethane, Ethylbenzene, Methylene chloride, Styrene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene, Vinyl chloride, Xylene (total) are outside control limits for sample MC11638-8MSD. High RPD due to possible matrix interference and/or sample non-homogeneity. 			
Matrix	SO	Batch ID:	MSM1645
<ul style="list-style-type: none"> All samples were analyzed within the recommended method holding time. All method blanks for this batch meet method specific criteria. Sample(s) MC11638-2MS, MC11638-2MSD were used as the QC samples indicated. Blank Spike Recovery(s) for 2-Butanone (MEK), 2-Hexanone, 4-Methyl-2-pentanone (MIBK) are outside control limits. Blank Spike meets program technical requirements. Matrix Spike Recovery(s) for 2-Butanone (MEK), 2-Hexanone, Acetone, Chloromethane are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike. Matrix Spike Duplicate Recovery(s) for 2-Butanone (MEK), Acetone, Chloromethane, trans-1,3-Dichloropropene are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike. RPD(s) for MSD for 1,1,2,2-Tetrachloroethane, 2-Hexanone, Bromoform, Chlorobenzene, Dibromochloromethane, Ethylbenzene, Styrene, trans-1,3-Dichloropropene, Xylene (total) are outside control limits for sample MC11638-2MSD. High RPD due to possible matrix interference and/or sample non-homogeneity. 			
Matrix	SO	Batch ID:	MSV386
<ul style="list-style-type: none"> All samples were analyzed within the recommended method holding time. Sample(s) MC11607-1MS, MC11607-1MSD were used as the QC samples indicated. All method blanks for this batch meet method specific criteria. Blank Spike Recovery(s) for Acetone are outside control limits. Blank Spike meets program technical requirements. Blank Spike Recovery(s) for 1,1,2,2-Tetrachloroethane, 2-Butanone (MEK), 2-Hexanone, 4-Methyl-2-pentanone (MIBK), Bromoform are outside control limits. Associated samples are non-detect for this compound. Matrix Spike Recovery(s) for Chloromethane, Styrene are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike. Matrix Spike Duplicate Recovery(s) for Chloromethane, Styrene, Vinyl chloride, Acetone are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike. RPD(s) for MSD for Acetone are outside control limits for sample MC11607-1MSD. High RPD due to possible matrix interference and/or sample non-homogeneity. MC11607-1MSD for 2-Hexanone: Outside control limits. Associated samples are non-detect for this compound. MC11607-1MS for 2-Hexanone, 4-Methyl-2-pentanone (MIBK): Outside control limits. Associated samples are non-detect for this compound. 			

Extractables by GCMS By Method SW846 8270C

Matrix LEACHATE	Batch ID: OP29418
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- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) MC11638-17MS, MC11638-17MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix SO	Batch ID: OP29365
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- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC11638-8MS, MC11638-8MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Nitrophenol, 4,6-Dinitro-o-cresol, Hexachlorocyclopentadiene, Hexachloroethane are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- Matrix Spike Duplicate Recovery(s) for 2,4-Dinitrophenol, 4-Chloroaniline, Hexachlorocyclopentadiene, Hexachloroethane, N-Nitroso-di-n-propylamine are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- RPD(s) for MSD for 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Nitroaniline, 2-Nitrophenol, 4,6-Dinitro-o-cresol, 4-Chloroaniline, 4-Nitrophenol, Hexachlorocyclopentadiene, Hexachloroethane, N-Nitroso-di-n-propylamine, Pentachlorophenol are outside control limits for sample OP29365-MSD. High RPD due to possible matrix interference and/or sample non-homogeneity.
- MC11638-5: Confirmation run for surrogate recoveries.
- MC11638-5 for 2,4,6-Tribromophenol: Outside control limits due to possible matrix interference. Confirmed by reanalysis.

Volatiles by GC By Method SW846 8015

Matrix SO	Batch ID: GBH1519
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- All samples were analyzed within the recommended method holding time.
- Sample(s) MC11607-1MS, MC11607-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Extractables by GC By Method SW846 8081

Matrix SO	Batch ID: OP29363
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- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) MC11638-9MS, MC11638-9MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- MC11638-9, OP29363-MS, OP29363-MSD for Tetrachloro-m-xylene: Outside control limits due to possible matrix interference. Confirmed by Matrix Spike/Matrix Spike Duplicate.

Matrix SO	Batch ID: OP29435
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- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) MC11638-11MS, MC11638-11MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- MC11638-11, OP29435-MS, OP29435-MSD for Tetrachloro-m-xylene: Outside control limits due to possible matrix interference. Confirmed by Matrix Spike/Matrix Spike Duplicate.
- OP29435-BS for Endrin aldehyde: Associated samples are non-detect for target analytes.

Extractables by GC By Method SW846 8082

Matrix SO

Batch ID: OP29362

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC11638-9MS, MC11638-9MSD were used as the QC samples indicated.

Extractables by GC By Method SW846-8015

Matrix SO

Batch ID: OP29364

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) MC11637-1MS, MC11637-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix SO

Batch ID: OP29392

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC11730-1MS, MC11730-1MSD were used as the QC samples indicated.
- Matrix Spike Duplicate Recovery(s) for TPH-DRO (Semi-VOA) are outside control limits. Outside control limits due to possible matrix interference.

Metals By Method SW846 6010C

Matrix LEACHATE

Batch ID: MP19224

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC11638-1ALS, MC11638-8AMS, MC11638-8AMSD, MC11638-8ASDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Cadmium, Chromium, Selenium, Silver are outside control limits for sample MP19224-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Matrix SO

Batch ID: MP19214

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC11565-4MS, MC11565-4MSD, MC11565-4PS, MC11565-4SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Antimony, Barium, Copper are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity. Post spike within acceptable range.
- Matrix Spike Duplicate Recovery(s) for Antimony are outside control limits. Spike duplicate recovery indicates possible matrix interference and/or sample nonhomogeneity.
- MS/MSD Recovery(s) for Aluminum, Iron, Manganese are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for MSD for Copper are outside control limits for sample MP19214-S2. High RPD due to possible matrix interference and/or sample non-homogeneity.
- RPD(s) for Serial Dilution for Antimony, Beryllium, Selenium, Sodium, Thallium are outside control limits for sample MP19214-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP19214-SD1 for Cadmium: Serial dilution indicates possible matrix interference.

Matrix SO

Batch ID: MP19228

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC11638-8MS, MC11638-8MSD, MC11638-8PS, MC11638-8SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Antimony are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity. Post spike within acceptable range.
- Matrix Spike Duplicate Recovery(s) for Antimony are outside control limits. Spike duplicate recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Recovery(s) for Aluminum, Calcium, Iron, Magnesium are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for Serial Dilution for Beryllium, Cadmium, Thallium are outside control limits for sample MP19228-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP19228-SD1 for Calcium, Lead, Zinc: Serial dilution indicates possible matrix interference.
- MP19228-SD1 for Sodium: Serial Dilution RPD acceptable due to low duplicate and sample concentrations.
- Matrix Spike Duplicate Recovery(s) for Aluminum, Calcium, Iron are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

Metals By Method SW846 7470A

Matrix LEACHATE

Batch ID: MP19233

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC11638-1ALS, MC11638-8AMS, MC11638-8AMSD were used as the QC samples for metals.

Metals By Method SW846 7471B

Matrix SO	Batch ID: MP19211
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- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC11565-4MS, MC11565-4MSD were used as the QC samples for metals.

Matrix SO	Batch ID: MP19241
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- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC11814-2MS, MC11814-2MSD were used as the QC samples for metals.

Matrix SO	Batch ID: MP19242
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- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC11638-8MS, MC11638-8MSD were used as the QC samples for metals.

Wet Chemistry By Method ASTM D2974

Matrix SO	Batch ID: GN39210
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- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC11638-2DUP were used as the QC samples for Total Organic Content.

Wet Chemistry By Method SM21 2540 B MOD.

Matrix SO	Batch ID: GN39184
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- Sample(s) MC11638-8DUP were used as the QC samples for Solids, Percent.

Matrix SO	Batch ID: GN39192
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- Sample(s) MC11638-9DUP were used as the QC samples for Solids, Percent.

Wet Chemistry By Method SW846 1020

Matrix SO	Batch ID: GN39140
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- Sample(s) MC11365-1DUP were used as the QC samples for Ignitability (Flashpoint).

Wet Chemistry By Method SW846 9012 M

Matrix SO	Batch ID: GP14697
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- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC11638-8DUP, MC11638-8MS were used as the QC samples for Cyanide.

Wet Chemistry By Method SW846 9045

Matrix SO	Batch ID: GN39185
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- Sample(s) MC11638-8DUP were used as the QC samples for pH.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report (MC11638).

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	BH-SS01(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-1	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.4
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M49092.D	1	06/26/12	AMY	n/a	n/a	MSM1644
Run #2							

	Initial Weight	Final Volume
Run #1	6.12 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	4.8	4.8	ug/kg	
71-43-2	Benzene	ND	0.48	0.12	ug/kg	
75-27-4	Bromodichloromethane	ND	1.9	0.20	ug/kg	
75-25-2	Bromoform	ND	1.9	0.45	ug/kg	
74-83-9	Bromomethane	ND	1.9	0.65	ug/kg	
78-93-3	2-Butanone (MEK)	ND	4.8	1.1	ug/kg	
75-15-0	Carbon disulfide	ND	4.8	0.93	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.9	0.21	ug/kg	
108-90-7	Chlorobenzene	ND	1.9	0.090	ug/kg	
75-00-3	Chloroethane	ND	4.8	0.25	ug/kg	
67-66-3	Chloroform	ND	1.9	0.14	ug/kg	
74-87-3	Chloromethane	ND	4.8	0.21	ug/kg	
124-48-1	Dibromochloromethane	ND	1.9	0.62	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.9	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.9	0.14	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.9	0.30	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.9	0.26	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.9	0.24	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.9	0.22	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.9	0.95	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.65	ug/kg	
100-41-4	Ethylbenzene	ND	1.9	0.12	ug/kg	
591-78-6	2-Hexanone	ND	4.8	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.8	0.80	ug/kg	
75-09-2	Methylene chloride	ND	1.9	0.35	ug/kg	
100-42-5	Styrene	ND	4.8	0.48	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.9	0.17	ug/kg	
127-18-4	Tetrachloroethene	ND	1.9	0.16	ug/kg	
108-88-3	Toluene	ND	4.8	0.17	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.9	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.9	0.24	ug/kg	
79-01-6	Trichloroethene	ND	1.9	0.19	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS01(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-1	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.4
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.9	0.62	ug/kg	
1330-20-7	Xylene (total)	ND	1.9	0.12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		70-130%
2037-26-5	Toluene-D8	84%		70-130%
460-00-4	4-Bromofluorobenzene	84%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS01(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-1	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.4
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I78887.D	10	06/25/12	NS	06/25/12	OP29365	MSI2926
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.8 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	2800	150	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	5600	200	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	5600	330	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	5600	560	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	11000	2800	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	5600	2800	ug/kg	
95-48-7	2-Methylphenol	ND	5600	160	ug/kg	
	3&4-Methylphenol	ND	5600	300	ug/kg	
88-75-5	2-Nitrophenol	ND	5600	340	ug/kg	
100-02-7	4-Nitrophenol	ND	11000	2800	ug/kg	
87-86-5	Pentachlorophenol	ND	5600	520	ug/kg	
108-95-2	Phenol	ND	2800	470	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	5600	420	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	5600	390	ug/kg	
83-32-9	Acenaphthene	ND	1100	240	ug/kg	
208-96-8	Acenaphthylene	ND	1100	210	ug/kg	
120-12-7	Anthracene	ND	1100	220	ug/kg	
56-55-3	Benzo(a)anthracene	302	1100	100	ug/kg	J
50-32-8	Benzo(a)pyrene	322	1100	170	ug/kg	J
205-99-2	Benzo(b)fluoranthene	432	1100	330	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	ND	1100	180	ug/kg	
207-08-9	Benzo(k)fluoranthene	157	1100	83	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	2800	230	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	2800	120	ug/kg	
91-58-7	2-Chloronaphthalene	ND	2800	240	ug/kg	
106-47-8	4-Chloroaniline	ND	5600	1400	ug/kg	
86-74-8	Carbazole	ND	1100	220	ug/kg	
218-01-9	Chrysene	311	1100	92	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	2800	220	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	2800	60	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2800	270	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2800	250	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SS01(0-2)-061912

Lab Sample ID: MC11638-1

Date Sampled: 06/19/12

Matrix: SO - Soil

Date Received: 06/21/12

Method: SW846 8270C SW846 3546

Percent Solids: 85.4

Project: Blackhawk Drive - BA, Forest Park, IL

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	2800	230	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2800	230	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2800	230	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	5600	1400	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	5600	270	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	2800	67	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	1100	180	ug/kg	
132-64-9	Dibenzofuran	ND	1100	240	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	2800	260	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	2800	150	ug/kg	
84-66-2	Diethyl phthalate	ND	2800	240	ug/kg	
131-11-3	Dimethyl phthalate	ND	2800	200	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2800	190	ug/kg	
206-44-0	Fluoranthene	560	1100	96	ug/kg	J
86-73-7	Fluorene	ND	1100	62	ug/kg	
118-74-1	Hexachlorobenzene	ND	2800	240	ug/kg	
87-68-3	Hexachlorobutadiene	ND	2800	220	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	5600	38	ug/kg	
67-72-1	Hexachloroethane	ND	2800	230	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	228	1100	170	ug/kg	J
78-59-1	Isophorone	ND	2800	280	ug/kg	
91-57-6	2-Methylnaphthalene	ND	1100	240	ug/kg	
88-74-4	2-Nitroaniline	ND	5600	1400	ug/kg	
99-09-2	3-Nitroaniline	ND	5600	1400	ug/kg	
100-01-6	4-Nitroaniline	ND	5600	210	ug/kg	
91-20-3	Naphthalene	ND	1100	65	ug/kg	
98-95-3	Nitrobenzene	ND	2800	83	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	2800	180	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	2800	150	ug/kg	
85-01-8	Phenanthrene	309	1100	73	ug/kg	J
129-00-0	Pyrene	399	1100	91	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	2800	240	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	52%		30-130%
4165-62-2	Phenol-d5	42%		30-130%
118-79-6	2,4,6-Tribromophenol	50%		30-130%
4165-60-0	Nitrobenzene-d5	52%		30-130%
321-60-8	2-Fluorobiphenyl	55%		30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS01(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-1	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.4
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	72%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SS01(0-2)-061912

Lab Sample ID: MC11638-1

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 85.4

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	8370	22	2.5	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Antimony	0.15 U	1.1	0.15	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Arsenic	5.2	1.1	0.18	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Barium	40.5	5.4	0.076	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Beryllium	0.41 B	0.43	0.043	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Cadmium	0.11 B	0.43	0.024	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Calcium	83700	540	1.8	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Chromium	12.1	1.1	0.12	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Cobalt	6.6	5.4	0.043	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Copper	35.4	2.7	0.18	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Iron	13100	11	2.0	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Lead	16.0	1.1	0.22	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Magnesium	51100	540	4.3	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Manganese	353	1.6	0.28	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Mercury	0.030 B	0.037	0.013	mg/kg	1	06/22/12	06/25/12 EM	SW846 7471B ¹	SW846 7471B ³
Nickel	16.1	4.3	0.064	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Potassium	1700	540	6.3	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Selenium	0.16 U	1.1	0.16	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Silver	0.085 U	0.54	0.085	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Sodium	135 B	540	2.9	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Thallium	0.26 B	1.1	0.13	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Vanadium	17.7	1.1	0.13	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Zinc	44.2	2.2	0.27	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴

(1) Instrument QC Batch: MA14406

(2) Instrument QC Batch: MA14417

(3) Prep QC Batch: MP19211

(4) Prep QC Batch: MP19214

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SS01(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-1	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.4
Project:	Blackhawk Drive - BA, Forest Park, IL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.13	0.13	mg/kg	1	06/28/12 13:13	MA	SW846 9012 M
Solids, Percent	85.4		%	1	06/22/12	HS	SM21 2540 B MOD.
Total Organic Content	12.9	0.010	%	1	06/26/12	MA	ASTM D2974
pH	7.8		su	1	06/22/12	CF	SW846 9045

RL = Reporting Limit

Report of Analysis

Client Sample ID: BH-SS01(0-2)-061912

Lab Sample ID: MC11638-1A

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 85.4

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0019 U	D004	5.0	0.010	0.0019	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Barium	0.49 B	D005	100	0.50	0.00065	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Cadmium	0.00080 B	D006	1.0	0.0040	0.00021	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Chromium	0.0022 B	D007	5.0	0.010	0.0011	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Lead	0.0021 U	D008	5.0	0.010	0.0021	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Mercury	0.000062 U	D009	0.20	0.00020	0.000062	mg/l	1	06/27/12	06/28/12 EM	SW846 7470A ¹
Selenium	0.0084 B	D010	1.0	0.025	0.0020	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Silver	0.0013 U	D011	5.0	0.0050	0.0013	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²

(1) Instrument QC Batch: MA14418

(2) Instrument QC Batch: MA14421

(3) Prep QC Batch: MP19224

(4) Prep QC Batch: MP19233

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261.6/96)

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SB01(18-20)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-2	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	82.3
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M49116.D	1	06/27/12	AMY	n/a	n/a	MSM1645
Run #2							

	Initial Weight	Final Volume
Run #1	9.61 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	11.1	3.2	3.2	ug/kg	
71-43-2	Benzene	ND	0.32	0.079	ug/kg	
75-27-4	Bromodichloromethane	ND	1.3	0.13	ug/kg	
75-25-2	Bromoform	ND	1.3	0.30	ug/kg	
74-83-9	Bromomethane	ND	1.3	0.43	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3.2	0.75	ug/kg	
75-15-0	Carbon disulfide	ND	3.2	0.61	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.3	0.14	ug/kg	
108-90-7	Chlorobenzene	ND	1.3	0.059	ug/kg	
75-00-3	Chloroethane	ND	3.2	0.16	ug/kg	
67-66-3	Chloroform	ND	1.3	0.094	ug/kg	
74-87-3	Chloromethane	ND	3.2	0.14	ug/kg	
124-48-1	Dibromochloromethane	ND	1.3	0.41	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.3	0.096	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.092	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.3	0.20	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.3	0.17	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.3	0.16	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.3	0.14	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.3	0.63	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.3	0.43	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.082	ug/kg	
591-78-6	2-Hexanone	ND	3.2	0.66	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	3.2	0.53	ug/kg	
75-09-2	Methylene chloride	ND	1.3	0.23	ug/kg	
100-42-5	Styrene	ND	3.2	0.32	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.3	0.11	ug/kg	
127-18-4	Tetrachloroethene	ND	1.3	0.11	ug/kg	
108-88-3	Toluene	ND	3.2	0.11	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.3	0.12	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.3	0.16	ug/kg	
79-01-6	Trichloroethene	ND	1.3	0.12	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB01(18-20)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-2	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	82.3
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.3	0.41	ug/kg	
1330-20-7	Xylene (total)	ND	1.3	0.080	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	83%		70-130%
2037-26-5	Toluene-D8	82%		70-130%
460-00-4	4-Bromofluorobenzene	80%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB01(18-20)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-2	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	82.3
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I78888.D	1	06/25/12	NS	06/25/12	OP29365	MSI2926
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.3 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	300	16	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	600	21	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	600	35	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	600	60	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1200	300	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	600	300	ug/kg	
95-48-7	2-Methylphenol	ND	600	17	ug/kg	
	3&4-Methylphenol	ND	600	32	ug/kg	
88-75-5	2-Nitrophenol	ND	600	36	ug/kg	
100-02-7	4-Nitrophenol	ND	1200	300	ug/kg	
87-86-5	Pentachlorophenol	ND	600	56	ug/kg	
108-95-2	Phenol	ND	300	50	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	600	45	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	600	41	ug/kg	
83-32-9	Acenaphthene	ND	120	25	ug/kg	
208-96-8	Acenaphthylene	ND	120	22	ug/kg	
120-12-7	Anthracene	ND	120	24	ug/kg	
56-55-3	Benzo(a)anthracene	ND	120	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	120	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	120	35	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	120	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	120	8.8	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	300	24	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	300	13	ug/kg	
91-58-7	2-Chloronaphthalene	ND	300	25	ug/kg	
106-47-8	4-Chloroaniline	ND	600	150	ug/kg	
86-74-8	Carbazole	ND	120	23	ug/kg	
218-01-9	Chrysene	ND	120	9.7	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	300	23	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	300	6.4	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	300	28	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	300	27	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB01(18-20)-061912

Lab Sample ID: MC11638-2

Date Sampled: 06/19/12

Matrix: SO - Soil

Date Received: 06/21/12

Method: SW846 8270C SW846 3546

Percent Solids: 82.3

Project: Blackhawk Drive - BA, Forest Park, IL

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	300	24	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	300	25	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	300	25	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	600	150	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	600	29	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	300	7.2	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	120	19	ug/kg	
132-64-9	Dibenzofuran	ND	120	25	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	300	27	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	300	16	ug/kg	
84-66-2	Diethyl phthalate	ND	300	26	ug/kg	
131-11-3	Dimethyl phthalate	ND	300	21	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	166	300	21	ug/kg	J
206-44-0	Fluoranthene	ND	120	10	ug/kg	
86-73-7	Fluorene	ND	120	6.6	ug/kg	
118-74-1	Hexachlorobenzene	ND	300	26	ug/kg	
87-68-3	Hexachlorobutadiene	ND	300	23	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	600	4.0	ug/kg	
67-72-1	Hexachloroethane	ND	300	24	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	120	18	ug/kg	
78-59-1	Isophorone	ND	300	30	ug/kg	
91-57-6	2-Methylnaphthalene	ND	120	25	ug/kg	
88-74-4	2-Nitroaniline	ND	600	150	ug/kg	
99-09-2	3-Nitroaniline	ND	600	150	ug/kg	
100-01-6	4-Nitroaniline	ND	600	22	ug/kg	
91-20-3	Naphthalene	ND	120	6.9	ug/kg	
98-95-3	Nitrobenzene	ND	300	8.8	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	300	19	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	300	16	ug/kg	
85-01-8	Phenanthrene	ND	120	7.7	ug/kg	
129-00-0	Pyrene	ND	120	9.6	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	300	26	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	68%		30-130%
4165-62-2	Phenol-d5	64%		30-130%
118-79-6	2,4,6-Tribromophenol	62%		30-130%
4165-60-0	Nitrobenzene-d5	69%		30-130%
321-60-8	2-Fluorobiphenyl	70%		30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB01(18-20)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-2	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	82.3
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	90%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB01(18-20)-061912

Lab Sample ID: MC11638-2

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 82.3

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	11300	22	2.5	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Antimony	0.15 U	1.1	0.15	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Arsenic	2.4	1.1	0.19	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Barium	39.9	5.5	0.077	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Beryllium	0.59	0.44	0.044	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Cadmium	0.024 U	0.44	0.024	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Calcium	44700	550	1.9	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Chromium	19.4	1.1	0.12	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Cobalt	9.6	5.5	0.044	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Copper	16.4	2.8	0.19	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Iron	20000	11	2.0	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Lead	10.2	1.1	0.22	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Magnesium	23000	550	4.4	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Manganese	414	1.7	0.29	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Mercury	0.027	0.026	0.0093	mg/kg	1	06/22/12	06/25/12 EM	SW846 7471B ¹	SW846 7471B ³
Nickel	26.2	4.4	0.065	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Potassium	3080	550	6.4	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Selenium	0.17 U	1.1	0.17	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Silver	0.086 U	0.55	0.086	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Sodium	130 B	550	3.0	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Thallium	0.13 U	1.1	0.13	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Vanadium	20.2	1.1	0.13	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴
Zinc	44.9	2.2	0.28	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ²	SW846 3050B ⁴

(1) Instrument QC Batch: MA14406

(2) Instrument QC Batch: MA14417

(3) Prep QC Batch: MP19211

(4) Prep QC Batch: MP19214

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: BH-SB01(18-20)-061912**Lab Sample ID:** MC11638-2**Matrix:** SO - Soil**Project:** Blackhawk Drive - BA, Forest Park, IL**Date Sampled:** 06/19/12**Date Received:** 06/21/12**Percent Solids:** 82.3

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.14	0.14	mg/kg	1	06/28/12 13:16	MA	SW846 9012 M
Solids, Percent	82.3		%	1	06/22/12	HS	SM21 2540 B MOD.
Total Organic Content	14.3	0.010	%	1	06/26/12	MA	ASTM D2974
pH	7.8		su	1	06/22/12	CF	SW846 9045

RL = Reporting Limit

Report of Analysis

Client Sample ID: BH-SB01(18-20)-061912

Lab Sample ID: MC11638-2A

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 82.3

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0019 U	D004	5.0	0.010	0.0019	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Barium	0.65	D005	100	0.50	0.00065	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Cadmium	0.0015 B	D006	1.0	0.0040	0.00021	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Chromium	0.0011 U	D007	5.0	0.010	0.0011	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Lead	0.0059 B	D008	5.0	0.010	0.0021	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Mercury	0.000062 U	D009	0.20	0.00020	0.000062	mg/l	1	06/27/12	06/28/12 EM	SW846 7470A ¹
Selenium	0.0082 B	D010	1.0	0.025	0.0020	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Silver	0.0013 U	D011	5.0	0.0050	0.0013	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²

(1) Instrument QC Batch: MA14418

(2) Instrument QC Batch: MA14421

(3) Prep QC Batch: MP19224

(4) Prep QC Batch: MP19233

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261.6/96)

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: BH-SS02(0-2)-061912

Lab Sample ID: MC11638-3

Date Sampled: 06/19/12

Matrix: SO - Soil

Date Received: 06/21/12

Method: SW846 8260B

Percent Solids: 94.7

Project: Blackhawk Drive - BA, Forest Park, IL

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M49097.D	1	06/26/12	AMY	n/a	n/a	MSM1644
Run #2	K60687.D	1	06/28/12	GK	n/a	n/a	MSK2034

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.50 g	5.0 ml	
Run #2	6.65 g	10.0 ml	200 ul

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND ^a	210	210	ug/kg	
71-43-2	Benzene	ND	0.41	0.10	ug/kg	
75-27-4	Bromodichloromethane	ND	1.6	0.17	ug/kg	
75-25-2	Bromoform	ND	1.6	0.38	ug/kg	
74-83-9	Bromomethane	ND	1.6	0.55	ug/kg	
78-93-3	2-Butanone (MEK)	ND	4.1	0.97	ug/kg	
75-15-0	Carbon disulfide	1.3	4.1	0.79	ug/kg	J
56-23-5	Carbon tetrachloride	ND	1.6	0.18	ug/kg	
108-90-7	Chlorobenzene	ND	1.6	0.076	ug/kg	
75-00-3	Chloroethane	ND	4.1	0.21	ug/kg	
67-66-3	Chloroform	ND	1.6	0.12	ug/kg	
74-87-3	Chloromethane	ND	4.1	0.18	ug/kg	
124-48-1	Dibromochloromethane	ND	1.6	0.53	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.6	0.12	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.6	0.12	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.6	0.26	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	0.22	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	0.20	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.6	0.19	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	0.81	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	0.56	ug/kg	
100-41-4	Ethylbenzene	ND	1.6	0.11	ug/kg	
591-78-6	2-Hexanone	ND	4.1	0.85	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.1	0.68	ug/kg	
75-09-2	Methylene chloride	ND	1.6	0.29	ug/kg	
100-42-5	Styrene	ND	4.1	0.41	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	0.14	ug/kg	
127-18-4	Tetrachloroethene	ND	1.6	0.14	ug/kg	
108-88-3	Toluene	ND	4.1	0.15	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.6	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.6	0.21	ug/kg	
79-01-6	Trichloroethene	ND	1.6	0.16	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SS02(0-2)-061912	Date Sampled: 06/19/12
Lab Sample ID: MC11638-3	Date Received: 06/21/12
Matrix: SO - Soil	Percent Solids: 94.7
Method: SW846 8260B	
Project: Blackhawk Drive - BA, Forest Park, IL	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.6	0.52	ug/kg	
1330-20-7	Xylene (total)	ND	1.6	0.10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	82%	118%	70-130%
2037-26-5	Toluene-D8	81%	111%	70-130%
460-00-4	4-Bromofluorobenzene	94%	104%	70-130%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS02(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-3	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	94.7
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I78889.D	1	06/25/12	NS	06/25/12	OP29365	MSI2926
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.7 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	45.2	250	14	ug/kg	J
59-50-7	4-Chloro-3-methyl phenol	ND	510	18	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	510	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	510	51	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1000	250	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	510	250	ug/kg	
95-48-7	2-Methylphenol	ND	510	15	ug/kg	
	3&4-Methylphenol	ND	510	27	ug/kg	
88-75-5	2-Nitrophenol	ND	510	31	ug/kg	
100-02-7	4-Nitrophenol	ND	1000	250	ug/kg	
87-86-5	Pentachlorophenol	ND	510	47	ug/kg	
108-95-2	Phenol	ND	250	42	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	510	38	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	510	35	ug/kg	
83-32-9	Acenaphthene	ND	100	22	ug/kg	
208-96-8	Acenaphthylene	22.2	100	19	ug/kg	J
120-12-7	Anthracene	24.7	100	20	ug/kg	J
56-55-3	Benzo(a)anthracene	122	100	9.4	ug/kg	
50-32-8	Benzo(a)pyrene	138	100	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	196	100	30	ug/kg	
191-24-2	Benzo(g,h,i)perylene	117	100	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	80.9	100	7.5	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	250	21	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	250	11	ug/kg	
91-58-7	2-Chloronaphthalene	ND	250	21	ug/kg	
106-47-8	4-Chloroaniline	ND	510	130	ug/kg	
86-74-8	Carbazole	ND	100	20	ug/kg	
218-01-9	Chrysene	143	100	8.3	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	250	20	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	250	5.5	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	250	24	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	250	23	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SS02(0-2)-061912

Lab Sample ID: MC11638-3

Date Sampled: 06/19/12

Matrix: SO - Soil

Date Received: 06/21/12

Method: SW846 8270C SW846 3546

Percent Solids: 94.7

Project: Blackhawk Drive - BA, Forest Park, IL

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	250	21	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	250	21	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	250	21	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	510	130	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	510	25	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	250	6.1	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	100	17	ug/kg	
132-64-9	Dibenzofuran	ND	100	22	ug/kg	
84-74-2	Di-n-butyl phthalate	36.8	250	23	ug/kg	J
117-84-0	Di-n-octyl phthalate	ND	250	13	ug/kg	
84-66-2	Diethyl phthalate	ND	250	22	ug/kg	
131-11-3	Dimethyl phthalate	ND	250	18	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	250	18	ug/kg	
206-44-0	Fluoranthene	203	100	8.7	ug/kg	
86-73-7	Fluorene	ND	100	5.6	ug/kg	
118-74-1	Hexachlorobenzene	ND	250	22	ug/kg	
87-68-3	Hexachlorobutadiene	ND	250	20	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	510	3.4	ug/kg	
67-72-1	Hexachloroethane	ND	250	21	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	124	100	16	ug/kg	
78-59-1	Isophorone	ND	250	25	ug/kg	
91-57-6	2-Methylnaphthalene	ND	100	21	ug/kg	
88-74-4	2-Nitroaniline	ND	510	130	ug/kg	
99-09-2	3-Nitroaniline	ND	510	130	ug/kg	
100-01-6	4-Nitroaniline	ND	510	19	ug/kg	
91-20-3	Naphthalene	ND	100	5.9	ug/kg	
98-95-3	Nitrobenzene	ND	250	7.5	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	250	16	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	250	14	ug/kg	
85-01-8	Phenanthrene	78.9	100	6.6	ug/kg	J
129-00-0	Pyrene	179	100	8.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	250	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	55%		30-130%
4165-62-2	Phenol-d5	52%		30-130%
118-79-6	2,4,6-Tribromophenol	63%		30-130%
4165-60-0	Nitrobenzene-d5	59%		30-130%
321-60-8	2-Fluorobiphenyl	59%		30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS02(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-3	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	94.7
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	77%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SS02(0-2)-061912

Lab Sample ID: MC11638-3

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 94.7

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	3050	21	2.4	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Antimony	0.15 U	1.0	0.15	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Arsenic	2.8	1.0	0.18	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Barium	20.8	5.2	0.073	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Beryllium	0.15 B	0.42	0.042	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cadmium	0.14 B	0.42	0.023	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Calcium	148000	2600	8.9	mg/kg	5	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Chromium	5.2	1.0	0.12	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cobalt	3.4 B	5.2	0.042	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Copper	6.7	2.6	0.18	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Iron	6880	10	1.9	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Lead	15.7	1.0	0.21	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Magnesium	80700	520	4.2	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Manganese	235	1.6	0.27	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Mercury	0.012 U	0.032	0.012	mg/kg	1	06/28/12	06/29/12 EM	SW846 7471B ²	SW846 7471B ⁴
Nickel	7.0	4.2	0.062	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Potassium	796	520	6.1	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Selenium	0.16 U	1.0	0.16	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Silver	0.082 U	0.52	0.082	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Sodium	148 B	520	2.8	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Thallium	0.42 B	1.0	0.13	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Vanadium	7.2	1.0	0.13	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Zinc	22.3	2.1	0.26	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³

(1) Instrument QC Batch: MA14417

(2) Instrument QC Batch: MA14424

(3) Prep QC Batch: MP19214

(4) Prep QC Batch: MP19241

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SS02(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-3	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	94.7
Project:	Blackhawk Drive - BA, Forest Park, IL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.12	0.12	mg/kg	1	06/28/12 13:17	MA	SW846 9012 M
Solids, Percent	94.7		%	1	06/22/12	HS	SM21 2540 B MOD.
pH	7.9		su	1	06/22/12	CF	SW846 9045

RL = Reporting Limit

Report of Analysis

Client Sample ID: BH-SS02(0-2)-061912

Lab Sample ID: MC11638-3A

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 94.7

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0019 U	D004	5.0	0.010	0.0019	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Barium	0.32 B	D005	100	0.50	0.00065	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Cadmium	0.00080 B	D006	1.0	0.0040	0.00021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Chromium	0.0070 B	D007	5.0	0.010	0.0011	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Lead	0.0021 U	D008	5.0	0.010	0.0021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Mercury	0.000062 U	D009	0.20	0.00020	0.000062	mg/l	1	06/27/12	06/28/12	EM SW846 7470A ¹
Selenium	0.0080 B	D010	1.0	0.025	0.0020	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Silver	0.0013 U	D011	5.0	0.0050	0.0013	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²

(1) Instrument QC Batch: MA14418

(2) Instrument QC Batch: MA14421

(3) Prep QC Batch: MP19224

(4) Prep QC Batch: MP19233

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261.6/96)

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SB02(18-20)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-4	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	82.8
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M49117.D	1	06/27/12	AMY	n/a	n/a	MSM1645
Run #2							

	Initial Weight	Final Volume
Run #1	9.07 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	15.1	3.3	3.3	ug/kg	
71-43-2	Benzene	ND	0.33	0.083	ug/kg	
75-27-4	Bromodichloromethane	ND	1.3	0.14	ug/kg	
75-25-2	Bromoform	ND	1.3	0.31	ug/kg	
74-83-9	Bromomethane	ND	1.3	0.45	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3.3	0.79	ug/kg	
75-15-0	Carbon disulfide	ND	3.3	0.64	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.3	0.15	ug/kg	
108-90-7	Chlorobenzene	ND	1.3	0.062	ug/kg	
75-00-3	Chloroethane	ND	3.3	0.17	ug/kg	
67-66-3	Chloroform	ND	1.3	0.099	ug/kg	
74-87-3	Chloromethane	ND	3.3	0.14	ug/kg	
124-48-1	Dibromochloromethane	ND	1.3	0.43	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.3	0.10	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.097	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.3	0.21	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.3	0.18	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.3	0.17	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.3	0.15	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.3	0.66	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.3	0.46	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.086	ug/kg	
591-78-6	2-Hexanone	ND	3.3	0.70	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	3.3	0.56	ug/kg	
75-09-2	Methylene chloride	ND	1.3	0.24	ug/kg	
100-42-5	Styrene	ND	3.3	0.33	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.3	0.12	ug/kg	
127-18-4	Tetrachloroethene	ND	1.3	0.11	ug/kg	
108-88-3	Toluene	ND	3.3	0.12	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.3	0.12	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.3	0.17	ug/kg	
79-01-6	Trichloroethene	ND	1.3	0.13	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB02(18-20)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-4	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	82.8
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.3	0.43	ug/kg	
1330-20-7	Xylene (total)	ND	1.3	0.084	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	81%		70-130%
2037-26-5	Toluene-D8	82%		70-130%
460-00-4	4-Bromofluorobenzene	80%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB02(18-20)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-4	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	82.8
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I78890.D	1	06/25/12	NS	06/25/12	OP29365	MSI2926
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.8 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	70.9	290	16	ug/kg	J
59-50-7	4-Chloro-3-methyl phenol	ND	580	20	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	580	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	580	58	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1200	290	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	580	290	ug/kg	
95-48-7	2-Methylphenol	ND	580	17	ug/kg	
	3&4-Methylphenol	ND	580	31	ug/kg	
88-75-5	2-Nitrophenol	ND	580	35	ug/kg	
100-02-7	4-Nitrophenol	ND	1200	290	ug/kg	
87-86-5	Pentachlorophenol	ND	580	54	ug/kg	
108-95-2	Phenol	ND	290	48	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	580	43	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	580	40	ug/kg	
83-32-9	Acenaphthene	ND	120	25	ug/kg	
208-96-8	Acenaphthylene	ND	120	22	ug/kg	
120-12-7	Anthracene	ND	120	23	ug/kg	
56-55-3	Benzo(a)anthracene	ND	120	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	120	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	120	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	120	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	120	8.6	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	290	24	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	290	12	ug/kg	
91-58-7	2-Chloronaphthalene	ND	290	24	ug/kg	
106-47-8	4-Chloroaniline	ND	580	150	ug/kg	
86-74-8	Carbazole	ND	120	23	ug/kg	
218-01-9	Chrysene	ND	120	9.5	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	290	23	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	290	6.2	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	290	28	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	290	26	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB02(18-20)-061912

Lab Sample ID: MC11638-4

Date Sampled: 06/19/12

Matrix: SO - Soil

Date Received: 06/21/12

Method: SW846 8270C SW846 3546

Percent Solids: 82.8

Project: Blackhawk Drive - BA, Forest Park, IL

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	290	23	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	290	24	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	290	24	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	580	150	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	580	28	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	290	7.0	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	120	19	ug/kg	
132-64-9	Dibenzofuran	ND	120	25	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	290	27	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	290	15	ug/kg	
84-66-2	Diethyl phthalate	ND	290	25	ug/kg	
131-11-3	Dimethyl phthalate	ND	290	20	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	290	20	ug/kg	
206-44-0	Fluoranthene	ND	120	9.9	ug/kg	
86-73-7	Fluorene	ND	120	6.4	ug/kg	
118-74-1	Hexachlorobenzene	ND	290	25	ug/kg	
87-68-3	Hexachlorobutadiene	ND	290	23	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	580	3.9	ug/kg	
67-72-1	Hexachloroethane	ND	290	24	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	120	18	ug/kg	
78-59-1	Isophorone	ND	290	29	ug/kg	
91-57-6	2-Methylnaphthalene	ND	120	24	ug/kg	
88-74-4	2-Nitroaniline	ND	580	150	ug/kg	
99-09-2	3-Nitroaniline	ND	580	150	ug/kg	
100-01-6	4-Nitroaniline	ND	580	22	ug/kg	
91-20-3	Naphthalene	ND	120	6.7	ug/kg	
98-95-3	Nitrobenzene	ND	290	8.6	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	290	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	290	15	ug/kg	
85-01-8	Phenanthrene	ND	120	7.5	ug/kg	
129-00-0	Pyrene	ND	120	9.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	290	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	48%		30-130%
4165-62-2	Phenol-d5	47%		30-130%
118-79-6	2,4,6-Tribromophenol	67%		30-130%
4165-60-0	Nitrobenzene-d5	48%		30-130%
321-60-8	2-Fluorobiphenyl	53%		30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB02(18-20)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-4	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	82.8
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	90%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB02(18-20)-061912

Lab Sample ID: MC11638-4

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 82.8

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	11500	19	2.2	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Antimony	0.13 U	0.96	0.13	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Arsenic	6.6	0.96	0.16	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Barium	42.2	4.8	0.067	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Beryllium	0.60	0.38	0.038	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cadmium	0.021 U	0.38	0.021	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Calcium	46900	480	1.6	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Chromium	19.3	0.96	0.11	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cobalt	9.5	4.8	0.038	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Copper	17.0	2.4	0.16	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Iron	19400	9.6	1.7	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Lead	10.6	0.96	0.19	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Magnesium	23900	480	3.8	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Manganese	394	1.4	0.25	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Mercury	0.014 U	0.038	0.014	mg/kg	1	06/28/12	06/29/12 EM	SW846 7471B ²	SW846 7471B ⁴
Nickel	25.6	3.8	0.057	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Potassium	3200	480	5.6	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Selenium	0.14 U	0.96	0.14	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Silver	0.075 U	0.48	0.075	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Sodium	136 B	480	2.6	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Thallium	0.24 B	0.96	0.12	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Vanadium	20.7	0.96	0.12	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Zinc	45.6	1.9	0.24	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³

(1) Instrument QC Batch: MA14417

(2) Instrument QC Batch: MA14424

(3) Prep QC Batch: MP19214

(4) Prep QC Batch: MP19241

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SB02(18-20)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-4	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	82.8
Project:	Blackhawk Drive - BA, Forest Park, IL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.13	0.13	mg/kg	1	06/28/12 13:18	MA	SW846 9012 M
Solids, Percent	82.8		%	1	06/22/12	HS	SM21 2540 B MOD.
pH	7.8		su	1	06/22/12	CF	SW846 9045

RL = Reporting Limit

Report of Analysis

Client Sample ID: BH-SB02(18-20)-061912

Lab Sample ID: MC11638-4A

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 82.8

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0019 U	D004	5.0	0.010	0.0019	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Barium	0.72	D005	100	0.50	0.00065	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Cadmium	0.0016 B	D006	1.0	0.0040	0.00021	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Chromium	0.0024 B	D007	5.0	0.010	0.0011	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Lead	0.0021 U	D008	5.0	0.010	0.0021	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Mercury	0.000062 U	D009	0.20	0.00020	0.000062	mg/l	1	06/27/12	06/28/12 EM	SW846 7470A ¹
Selenium	0.0087 B	D010	1.0	0.025	0.0020	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Silver	0.0013 U	D011	5.0	0.0050	0.0013	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²

(1) Instrument QC Batch: MA14418

(2) Instrument QC Batch: MA14421

(3) Prep QC Batch: MP19224

(4) Prep QC Batch: MP19233

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261.6/96)

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SS03(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-5	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	82.7
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M49099.D	1	06/26/12	AMY	n/a	n/a	MSM1644
Run #2							

	Initial Weight	Final Volume
Run #1	7.75 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	25.5	3.9	3.9	ug/kg	
71-43-2	Benzene	ND	0.39	0.098	ug/kg	
75-27-4	Bromodichloromethane	ND	1.6	0.16	ug/kg	
75-25-2	Bromoform	ND	1.6	0.37	ug/kg	
74-83-9	Bromomethane	ND	1.6	0.53	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3.9	0.93	ug/kg	
75-15-0	Carbon disulfide	4.8	3.9	0.76	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.6	0.17	ug/kg	
108-90-7	Chlorobenzene	ND	1.6	0.073	ug/kg	
75-00-3	Chloroethane	ND	3.9	0.20	ug/kg	
67-66-3	Chloroform	ND	1.6	0.12	ug/kg	
74-87-3	Chloromethane	ND	3.9	0.17	ug/kg	
124-48-1	Dibromochloromethane	ND	1.6	0.51	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.6	0.12	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.6	0.11	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.6	0.25	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	0.21	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	0.20	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.6	0.18	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	0.78	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	0.53	ug/kg	
100-41-4	Ethylbenzene	ND	1.6	0.10	ug/kg	
591-78-6	2-Hexanone	ND	3.9	0.82	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	3.9	0.66	ug/kg	
75-09-2	Methylene chloride	ND	1.6	0.28	ug/kg	
100-42-5	Styrene	ND	3.9	0.39	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	0.14	ug/kg	
127-18-4	Tetrachloroethene	ND	1.6	0.13	ug/kg	
108-88-3	Toluene	ND	3.9	0.14	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.6	0.14	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.6	0.20	ug/kg	
79-01-6	Trichloroethene	ND	1.6	0.15	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS03(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-5	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	82.7
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.6	0.50	ug/kg	
1330-20-7	Xylene (total)	ND	1.6	0.098	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	85%		70-130%
2037-26-5	Toluene-D8	85%		70-130%
460-00-4	4-Bromofluorobenzene	83%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS03(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-5	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	82.7
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I78891.D	1	06/25/12	NS	06/25/12	OP29365	MSI2926
Run #2 ^a	I78922.D	1	06/26/12	NS	06/25/12	OP29365	MSI2927

	Initial Weight	Final Volume
Run #1	20.6 g	1.0 ml
Run #2	20.6 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	290	16	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	590	20	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	590	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	590	59	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1200	290	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	590	290	ug/kg	
95-48-7	2-Methylphenol	ND	590	17	ug/kg	
	3&4-Methylphenol	ND	590	31	ug/kg	
88-75-5	2-Nitrophenol	ND	590	35	ug/kg	
100-02-7	4-Nitrophenol	ND	1200	290	ug/kg	
87-86-5	Pentachlorophenol	ND	590	55	ug/kg	
108-95-2	Phenol	ND	290	49	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	590	44	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	590	40	ug/kg	
83-32-9	Acenaphthene	64.7	120	25	ug/kg	J
208-96-8	Acenaphthylene	ND	120	22	ug/kg	
120-12-7	Anthracene	113	120	23	ug/kg	J
56-55-3	Benzo(a)anthracene	324	120	11	ug/kg	
50-32-8	Benzo(a)pyrene	278	120	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	430	120	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	217	120	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	119	120	8.7	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	290	24	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	290	13	ug/kg	
91-58-7	2-Chloronaphthalene	ND	290	25	ug/kg	
106-47-8	4-Chloroaniline	ND	590	150	ug/kg	
86-74-8	Carbazole	63.7	120	23	ug/kg	J
218-01-9	Chrysene	349	120	9.6	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	290	23	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	290	6.3	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	290	28	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	290	26	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SS03(0-2)-061912

Lab Sample ID: MC11638-5

Date Sampled: 06/19/12

Matrix: SO - Soil

Date Received: 06/21/12

Method: SW846 8270C SW846 3546

Percent Solids: 82.7

Project: Blackhawk Drive - BA, Forest Park, IL

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	290	24	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	290	24	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	290	24	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	590	150	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	590	28	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	290	7.0	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	120	19	ug/kg	
132-64-9	Dibenzofuran	28.4	120	25	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	290	27	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	290	15	ug/kg	
84-66-2	Diethyl phthalate	ND	290	26	ug/kg	
131-11-3	Dimethyl phthalate	ND	290	21	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	72.3	290	20	ug/kg	J
206-44-0	Fluoranthene	635	120	10	ug/kg	
86-73-7	Fluorene	48.2	120	6.5	ug/kg	J
118-74-1	Hexachlorobenzene	ND	290	25	ug/kg	
87-68-3	Hexachlorobutadiene	ND	290	23	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	590	4.0	ug/kg	
67-72-1	Hexachloroethane	ND	290	24	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	218	120	18	ug/kg	
78-59-1	Isophorone	ND	290	29	ug/kg	
91-57-6	2-Methylnaphthalene	ND	120	25	ug/kg	
88-74-4	2-Nitroaniline	ND	590	150	ug/kg	
99-09-2	3-Nitroaniline	ND	590	150	ug/kg	
100-01-6	4-Nitroaniline	ND	590	22	ug/kg	
91-20-3	Naphthalene	27.7	120	6.8	ug/kg	J
98-95-3	Nitrobenzene	ND	290	8.7	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	290	19	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	290	16	ug/kg	
85-01-8	Phenanthrene	437	120	7.6	ug/kg	
129-00-0	Pyrene	506	120	9.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	290	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%	43%	30-130%
4165-62-2	Phenol-d5	56%	57%	30-130%
118-79-6	2,4,6-Tribromophenol	10% ^b	9% ^b	30-130%
4165-60-0	Nitrobenzene-d5	61%	61%	30-130%
321-60-8	2-Fluorobiphenyl	62%	62%	30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS03(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-5	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	82.7
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	78%	79%	30-130%

(a) Confirmation run for surrogate recoveries.

(b) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SS03(0-2)-061912

Lab Sample ID: MC11638-5

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 82.7

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	10000	22	2.5	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Antimony	0.24 B	1.1	0.15	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Arsenic	5.1	1.1	0.19	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Barium	81.4	5.4	0.076	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Beryllium	0.65	0.44	0.044	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cadmium	0.065 B	0.44	0.024	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Calcium	60100	540	1.9	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Chromium	16.7	1.1	0.12	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cobalt	6.8	5.4	0.044	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Copper	14.7	2.7	0.19	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Iron	14200	11	2.0	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Lead	79.2	1.1	0.22	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Magnesium	28300	540	4.4	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Manganese	488	1.6	0.28	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Mercury	0.013 U	0.036	0.013	mg/kg	1	06/28/12	06/29/12 EM	SW846 7471B ²	SW846 7471B ⁴
Nickel	16.7	4.4	0.064	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Potassium	1650	540	6.3	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Selenium	0.24 B	1.1	0.16	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Silver	0.085 U	0.54	0.085	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Sodium	162 B	540	2.9	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Thallium	0.28 B	1.1	0.13	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Vanadium	19.6	1.1	0.13	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³
Zinc	45.5	2.2	0.27	mg/kg	1	06/23/12	06/26/12 EAL	SW846 6010C ¹	SW846 3050B ³

(1) Instrument QC Batch: MA14417

(2) Instrument QC Batch: MA14424

(3) Prep QC Batch: MP19214

(4) Prep QC Batch: MP19241

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SS03(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-5	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	82.7
Project:	Blackhawk Drive - BA, Forest Park, IL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.14	0.14	mg/kg	1	06/28/12 13:19	MA	SW846 9012 M
Solids, Percent	82.7		%	1	06/22/12	HS	SM21 2540 B MOD.
pH	11.5		su	1	06/22/12	CF	SW846 9045

RL = Reporting Limit

Report of Analysis

Client Sample ID: BH-SS03(0-2)-061912

Lab Sample ID: MC11638-5A

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 82.7

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0019 U	D004	5.0	0.010	0.0019	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Barium	0.51	D005	100	0.50	0.00065	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Cadmium	0.00070 B	D006	1.0	0.0040	0.00021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Chromium	0.0027 B	D007	5.0	0.010	0.0011	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Lead	0.0021 U	D008	5.0	0.010	0.0021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Mercury	0.000062 U	D009	0.20	0.00020	0.000062	mg/l	1	06/27/12	06/28/12	EM SW846 7470A ¹
Selenium	0.0076 B	D010	1.0	0.025	0.0020	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Silver	0.0013 U	D011	5.0	0.0050	0.0013	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²

(1) Instrument QC Batch: MA14418

(2) Instrument QC Batch: MA14421

(3) Prep QC Batch: MP19224

(4) Prep QC Batch: MP19233

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261.6/96)

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SB03(18-20)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-6	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	87.9
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M49100.D	1	06/26/12	AMY	n/a	n/a	MSM1644
Run #2							

	Initial Weight	Final Volume
Run #1	8.86 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	15.9	3.2	3.2	ug/kg	
71-43-2	Benzene	ND	0.32	0.080	ug/kg	
75-27-4	Bromodichloromethane	ND	1.3	0.13	ug/kg	
75-25-2	Bromoform	ND	1.3	0.30	ug/kg	
74-83-9	Bromomethane	ND	1.3	0.43	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3.2	0.76	ug/kg	
75-15-0	Carbon disulfide	ND	3.2	0.62	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.3	0.14	ug/kg	
108-90-7	Chlorobenzene	ND	1.3	0.060	ug/kg	
75-00-3	Chloroethane	ND	3.2	0.17	ug/kg	
67-66-3	Chloroform	ND	1.3	0.095	ug/kg	
74-87-3	Chloromethane	ND	3.2	0.14	ug/kg	
124-48-1	Dibromochloromethane	ND	1.3	0.42	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.3	0.098	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.093	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.3	0.20	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.3	0.17	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.3	0.16	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.3	0.15	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.3	0.64	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.3	0.44	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.083	ug/kg	
591-78-6	2-Hexanone	ND	3.2	0.67	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	3.2	0.54	ug/kg	
75-09-2	Methylene chloride	ND	1.3	0.23	ug/kg	
100-42-5	Styrene	ND	3.2	0.32	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.3	0.11	ug/kg	
127-18-4	Tetrachloroethene	ND	1.3	0.11	ug/kg	
108-88-3	Toluene	ND	3.2	0.11	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.3	0.12	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.3	0.16	ug/kg	
79-01-6	Trichloroethene	ND	1.3	0.13	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB03(18-20)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-6	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	87.9
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.3	0.41	ug/kg	
1330-20-7	Xylene (total)	ND	1.3	0.081	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	85%		70-130%
2037-26-5	Toluene-D8	86%		70-130%
460-00-4	4-Bromofluorobenzene	87%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB03(18-20)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-6	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	87.9
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I78892.D	1	06/25/12	NS	06/25/12	OP29365	MSI2926
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.7 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	270	15	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	550	19	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	550	32	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	550	55	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1100	270	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	550	270	ug/kg	
95-48-7	2-Methylphenol	ND	550	16	ug/kg	
	3&4-Methylphenol	ND	550	29	ug/kg	
88-75-5	2-Nitrophenol	ND	550	33	ug/kg	
100-02-7	4-Nitrophenol	ND	1100	270	ug/kg	
87-86-5	Pentachlorophenol	ND	550	51	ug/kg	
108-95-2	Phenol	ND	270	46	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	550	41	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	550	38	ug/kg	
83-32-9	Acenaphthene	ND	110	23	ug/kg	
208-96-8	Acenaphthylene	ND	110	21	ug/kg	
120-12-7	Anthracene	ND	110	22	ug/kg	
56-55-3	Benzo(a)anthracene	ND	110	10	ug/kg	
50-32-8	Benzo(a)pyrene	ND	110	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	110	32	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	110	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	110	8.1	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	270	22	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	270	12	ug/kg	
91-58-7	2-Chloronaphthalene	ND	270	23	ug/kg	
106-47-8	4-Chloroaniline	ND	550	140	ug/kg	
86-74-8	Carbazole	ND	110	22	ug/kg	
218-01-9	Chrysene	ND	110	9.0	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	270	21	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	270	5.9	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	270	26	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	270	25	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB03(18-20)-061912**Lab Sample ID:** MC11638-6**Date Sampled:** 06/19/12**Matrix:** SO - Soil**Date Received:** 06/21/12**Method:** SW846 8270C SW846 3546**Percent Solids:** 87.9**Project:** Blackhawk Drive - BA, Forest Park, IL

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	270	22	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	270	23	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	270	23	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	550	140	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	550	26	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	270	6.6	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	110	18	ug/kg	
132-64-9	Dibenzofuran	ND	110	23	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	270	25	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	270	15	ug/kg	
84-66-2	Diethyl phthalate	ND	270	24	ug/kg	
131-11-3	Dimethyl phthalate	ND	270	19	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	270	19	ug/kg	
206-44-0	Fluoranthene	ND	110	9.3	ug/kg	
86-73-7	Fluorene	ND	110	6.0	ug/kg	
118-74-1	Hexachlorobenzene	ND	270	24	ug/kg	
87-68-3	Hexachlorobutadiene	ND	270	22	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	550	3.7	ug/kg	
67-72-1	Hexachloroethane	ND	270	22	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	110	17	ug/kg	
78-59-1	Isophorone	ND	270	27	ug/kg	
91-57-6	2-Methylnaphthalene	ND	110	23	ug/kg	
88-74-4	2-Nitroaniline	ND	550	140	ug/kg	
99-09-2	3-Nitroaniline	ND	550	140	ug/kg	
100-01-6	4-Nitroaniline	ND	550	20	ug/kg	
91-20-3	Naphthalene	ND	110	6.4	ug/kg	
98-95-3	Nitrobenzene	ND	270	8.1	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	270	17	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	270	15	ug/kg	
85-01-8	Phenanthrene	ND	110	7.1	ug/kg	
129-00-0	Pyrene	ND	110	8.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	270	24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	60%		30-130%
4165-62-2	Phenol-d5	58%		30-130%
118-79-6	2,4,6-Tribromophenol	60%		30-130%
4165-60-0	Nitrobenzene-d5	64%		30-130%
321-60-8	2-Fluorobiphenyl	65%		30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB03(18-20)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-6	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	87.9
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	79%		30-130%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB03(18-20)-061912**Lab Sample ID:** MC11638-6**Matrix:** SO - Soil**Date Sampled:** 06/19/12**Date Received:** 06/21/12**Percent Solids:** 87.9**Project:** Blackhawk Drive - BA, Forest Park, IL

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method	
Aluminum	8880	22	2.6	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Antimony	0.16 U	1.1	0.16	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Arsenic	6.0	1.1	0.19	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Barium	56.3	5.6	0.078	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Beryllium	0.59	0.45	0.045	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Cadmium	0.025 U	0.45	0.025	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Calcium	67300	560	1.9	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Chromium	13.7	1.1	0.12	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Cobalt	5.8	5.6	0.045	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Copper	12.3	2.8	0.19	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Iron	13500	11	2.0	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Lead	18.1	1.1	0.22	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Magnesium	25800	560	4.5	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Manganese	498	1.7	0.29	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Mercury	0.013 U	0.036	0.013	mg/kg	1	06/28/12	06/29/12	EM	SW846 7471B ²	SW846 7471B ⁴
Nickel	13.9	4.5	0.066	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Potassium	1280	560	6.5	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Selenium	0.17 U	1.1	0.17	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Silver	0.087 U	0.56	0.087	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Sodium	171 B	560	3.0	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Thallium	0.28 B	1.1	0.13	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Vanadium	15.2	1.1	0.13	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³
Zinc	35.8	2.2	0.28	mg/kg	1	06/23/12	06/26/12	EAL	SW846 6010C ¹	SW846 3050B ³

(1) Instrument QC Batch: MA14417

(2) Instrument QC Batch: MA14425

(3) Prep QC Batch: MP19214

(4) Prep QC Batch: MP19242

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SB03(18-20)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-6	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	87.9
Project:	Blackhawk Drive - BA, Forest Park, IL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.13	0.13	mg/kg	1	06/28/12 13:20	MA	SW846 9012 M
Solids, Percent	87.9		%	1	06/22/12	HS	SM21 2540 B MOD.
pH	8.3		su	1	06/22/12	CF	SW846 9045

RL = Reporting Limit

Report of Analysis

Client Sample ID: BH-SB03(18-20)-061912

Lab Sample ID: MC11638-6A

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 87.9

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0019 U	D004	5.0	0.010	0.0019	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Barium	0.69	D005	100	0.50	0.00065	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Cadmium	0.0011 B	D006	1.0	0.0040	0.00021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Chromium	0.0015 B	D007	5.0	0.010	0.0011	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Lead	0.0021 U	D008	5.0	0.010	0.0021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Mercury	0.000062 U	D009	0.20	0.00020	0.000062	mg/l	1	06/27/12	06/28/12	EM SW846 7470A ¹
Selenium	0.0070 B	D010	1.0	0.025	0.0020	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Silver	0.0013 U	D011	5.0	0.0050	0.0013	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²

(1) Instrument QC Batch: MA14418

(2) Instrument QC Batch: MA14421

(3) Prep QC Batch: MP19224

(4) Prep QC Batch: MP19233

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261.6/96)

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SS04(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-7	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	83.5
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M49101.D	1	06/26/12	AMY	n/a	n/a	MSM1644
Run #2							

	Initial Weight	Final Volume
Run #1	7.24 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	4.1	4.1	ug/kg	
71-43-2	Benzene	ND	0.41	0.10	ug/kg	
75-27-4	Bromodichloromethane	ND	1.7	0.17	ug/kg	
75-25-2	Bromoform	ND	1.7	0.39	ug/kg	
74-83-9	Bromomethane	ND	1.7	0.56	ug/kg	
78-93-3	2-Butanone (MEK)	ND	4.1	0.98	ug/kg	
75-15-0	Carbon disulfide	ND	4.1	0.80	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.7	0.19	ug/kg	
108-90-7	Chlorobenzene	ND	1.7	0.077	ug/kg	
75-00-3	Chloroethane	ND	4.1	0.21	ug/kg	
67-66-3	Chloroform	ND	1.7	0.12	ug/kg	
74-87-3	Chloromethane	ND	4.1	0.18	ug/kg	
124-48-1	Dibromochloromethane	ND	1.7	0.54	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.7	0.13	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.7	0.12	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.7	0.26	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.7	0.22	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.7	0.21	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.7	0.19	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.7	0.83	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.7	0.57	ug/kg	
100-41-4	Ethylbenzene	ND	1.7	0.11	ug/kg	
591-78-6	2-Hexanone	ND	4.1	0.87	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.1	0.69	ug/kg	
75-09-2	Methylene chloride	ND	1.7	0.30	ug/kg	
100-42-5	Styrene	ND	4.1	0.41	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.7	0.15	ug/kg	
127-18-4	Tetrachloroethene	ND	1.7	0.14	ug/kg	
108-88-3	Toluene	ND	4.1	0.15	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.7	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.7	0.21	ug/kg	
79-01-6	Trichloroethene	ND	1.7	0.16	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS04(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-7	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	83.5
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.7	0.53	ug/kg	
1330-20-7	Xylene (total)	ND	1.7	0.10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		70-130%
2037-26-5	Toluene-D8	84%		70-130%
460-00-4	4-Bromofluorobenzene	81%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS04(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-7	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	83.5
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I78893.D	1	06/26/12	NS	06/25/12	OP29365	MSI2926
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.2 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	300	16	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	590	21	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	590	35	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	590	59	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1200	300	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	590	300	ug/kg	
95-48-7	2-Methylphenol	ND	590	17	ug/kg	
	3&4-Methylphenol	ND	590	31	ug/kg	
88-75-5	2-Nitrophenol	ND	590	36	ug/kg	
100-02-7	4-Nitrophenol	ND	1200	300	ug/kg	
87-86-5	Pentachlorophenol	ND	590	55	ug/kg	
108-95-2	Phenol	ND	300	49	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	590	44	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	590	41	ug/kg	
83-32-9	Acenaphthene	ND	120	25	ug/kg	
208-96-8	Acenaphthylene	ND	120	22	ug/kg	
120-12-7	Anthracene	ND	120	23	ug/kg	
56-55-3	Benzo(a)anthracene	ND	120	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	120	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	120	35	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	120	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	120	8.8	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	300	24	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	300	13	ug/kg	
91-58-7	2-Chloronaphthalene	ND	300	25	ug/kg	
106-47-8	4-Chloroaniline	ND	590	150	ug/kg	
86-74-8	Carbazole	ND	120	23	ug/kg	
218-01-9	Chrysene	ND	120	9.7	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	300	23	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	300	6.3	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	300	28	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	300	27	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SS04(0-2)-061912

Lab Sample ID: MC11638-7

Date Sampled: 06/19/12

Matrix: SO - Soil

Date Received: 06/21/12

Method: SW846 8270C SW846 3546

Percent Solids: 83.5

Project: Blackhawk Drive - BA, Forest Park, IL

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	300	24	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	300	25	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	300	25	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	590	150	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	590	29	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	300	7.1	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	120	19	ug/kg	
132-64-9	Dibenzofuran	ND	120	25	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	300	27	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	300	16	ug/kg	
84-66-2	Diethyl phthalate	ND	300	26	ug/kg	
131-11-3	Dimethyl phthalate	ND	300	21	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	29.1	300	20	ug/kg	J
206-44-0	Fluoranthene	ND	120	10	ug/kg	
86-73-7	Fluorene	ND	120	6.5	ug/kg	
118-74-1	Hexachlorobenzene	ND	300	26	ug/kg	
87-68-3	Hexachlorobutadiene	ND	300	23	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	590	4.0	ug/kg	
67-72-1	Hexachloroethane	ND	300	24	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	120	18	ug/kg	
78-59-1	Isophorone	ND	300	29	ug/kg	
91-57-6	2-Methylnaphthalene	ND	120	25	ug/kg	
88-74-4	2-Nitroaniline	ND	590	150	ug/kg	
99-09-2	3-Nitroaniline	ND	590	150	ug/kg	
100-01-6	4-Nitroaniline	ND	590	22	ug/kg	
91-20-3	Naphthalene	ND	120	6.9	ug/kg	
98-95-3	Nitrobenzene	ND	300	8.8	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	300	19	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	300	16	ug/kg	
85-01-8	Phenanthrene	ND	120	7.6	ug/kg	
129-00-0	Pyrene	ND	120	9.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	300	26	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	66%		30-130%
4165-62-2	Phenol-d5	62%		30-130%
118-79-6	2,4,6-Tribromophenol	74%		30-130%
4165-60-0	Nitrobenzene-d5	70%		30-130%
321-60-8	2-Fluorobiphenyl	71%		30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS04(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-7	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	83.5
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	91%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SS04(0-2)-061912

Lab Sample ID: MC11638-7

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 83.5

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	12700	20	2.3	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Antimony	0.14 B	1.0	0.14	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Arsenic	8.2	1.0	0.17	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Barium	63.1	5.0	0.070	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Beryllium	0.65	0.40	0.040	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cadmium	0.022 U	0.40	0.022	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Calcium	15000	500	1.7	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Chromium	20.9	1.0	0.11	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cobalt	12.6	5.0	0.040	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Copper	20.9	2.5	0.17	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Iron	23700	10	1.8	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Lead	13.2	1.0	0.20	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Magnesium	10700	500	4.0	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Manganese	980	1.5	0.26	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Mercury	0.014 U	0.039	0.014	mg/kg	1	06/28/12	06/29/12 EM	SW846 7471B ²	SW846 7471B ⁴
Nickel	35.7	4.0	0.059	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Potassium	2150	500	5.8	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Selenium	0.15 U	1.0	0.15	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Silver	0.078 U	0.50	0.078	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Sodium	73.2 B	500	2.7	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Thallium	0.12 U	1.0	0.12	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Vanadium	18.9	1.0	0.12	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Zinc	56.5	2.0	0.25	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³

(1) Instrument QC Batch: MA14423

(2) Instrument QC Batch: MA14425

(3) Prep QC Batch: MP19228

(4) Prep QC Batch: MP19242

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SS04(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-7	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	83.5
Project:	Blackhawk Drive - BA, Forest Park, IL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.14	0.14	mg/kg	1	06/28/12 13:21	MA	SW846 9012 M
Solids, Percent	83.5		%	1	06/22/12	HS	SM21 2540 B MOD.
pH	7.4		su	1	06/22/12	CF	SW846 9045

RL = Reporting Limit

Report of Analysis

Client Sample ID: BH-SS04(0-2)-061912**Lab Sample ID:** MC11638-7A**Matrix:** SO - Soil**Date Sampled:** 06/19/12**Date Received:** 06/21/12**Percent Solids:** 83.5**Project:** Blackhawk Drive - BA, Forest Park, IL**Metals Analysis, TCLP Leachate SW846 1311**

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0019 U	D004	5.0	0.010	0.0019	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Barium	0.27 B	D005	100	0.50	0.00065	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Cadmium	0.00021 U	D006	1.0	0.0040	0.00021	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Chromium	0.0014 B	D007	5.0	0.010	0.0011	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Lead	0.0021 U	D008	5.0	0.010	0.0021	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Mercury	0.000062 U	D009	0.20	0.00020	0.000062	mg/l	1	06/27/12	06/28/12 EM	SW846 7470A ¹
Selenium	0.0071 B	D010	1.0	0.025	0.0020	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Silver	0.0013 U	D011	5.0	0.0050	0.0013	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²

(1) Instrument QC Batch: MA14418

(2) Instrument QC Batch: MA14421

(3) Prep QC Batch: MP19224

(4) Prep QC Batch: MP19233

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261.6(g))

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SB04(13-15)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-8	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	83.1
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M49093.D	1	06/26/12	AMY	n/a	n/a	MSM1644
Run #2							

	Initial Weight	Final Volume
Run #1	8.20 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	15.0	3.7	3.7	ug/kg	
71-43-2	Benzene	ND	0.37	0.092	ug/kg	
75-27-4	Bromodichloromethane	ND	1.5	0.15	ug/kg	
75-25-2	Bromoform	ND	1.5	0.35	ug/kg	
74-83-9	Bromomethane	ND	1.5	0.50	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3.7	0.87	ug/kg	
75-15-0	Carbon disulfide	ND	3.7	0.71	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.5	0.16	ug/kg	
108-90-7	Chlorobenzene	ND	1.5	0.069	ug/kg	
75-00-3	Chloroethane	ND	3.7	0.19	ug/kg	
67-66-3	Chloroform	ND	1.5	0.11	ug/kg	
74-87-3	Chloromethane	ND	3.7	0.16	ug/kg	
124-48-1	Dibromochloromethane	ND	1.5	0.48	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.5	0.11	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.5	0.11	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.5	0.23	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.5	0.20	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.18	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.5	0.17	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.5	0.73	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.5	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	1.5	0.095	ug/kg	
591-78-6	2-Hexanone	ND	3.7	0.77	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	3.7	0.62	ug/kg	
75-09-2	Methylene chloride	ND	1.5	0.26	ug/kg	
100-42-5	Styrene	ND	3.7	0.37	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.5	0.13	ug/kg	
127-18-4	Tetrachloroethene	ND	1.5	0.12	ug/kg	
108-88-3	Toluene	ND	3.7	0.13	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.5	0.13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.19	ug/kg	
79-01-6	Trichloroethene	ND	1.5	0.14	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB04(13-15)-061912**Lab Sample ID:** MC11638-8**Matrix:** SO - Soil**Method:** SW846 8260B**Project:** Blackhawk Drive - BA, Forest Park, IL**Date Sampled:** 06/19/12**Date Received:** 06/21/12**Percent Solids:** 83.1

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.5	0.47	ug/kg	
1330-20-7	Xylene (total)	ND	1.5	0.092	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	84%		70-130%
2037-26-5	Toluene-D8	83%		70-130%
460-00-4	4-Bromofluorobenzene	87%		70-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB04(13-15)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-8	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	83.1
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I78894.D	1	06/26/12	NS	06/25/12	OP29365	MSI2926
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.9 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	290	15	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	580	20	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	580	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	580	58	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1200	290	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	580	290	ug/kg	
95-48-7	2-Methylphenol	ND	580	16	ug/kg	
	3&4-Methylphenol	ND	580	30	ug/kg	
88-75-5	2-Nitrophenol	ND	580	35	ug/kg	
100-02-7	4-Nitrophenol	ND	1200	290	ug/kg	
87-86-5	Pentachlorophenol	ND	580	54	ug/kg	
108-95-2	Phenol	ND	290	48	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	580	43	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	580	40	ug/kg	
83-32-9	Acenaphthene	ND	120	24	ug/kg	
208-96-8	Acenaphthylene	ND	120	22	ug/kg	
120-12-7	Anthracene	ND	120	23	ug/kg	
56-55-3	Benzo(a)anthracene	ND	120	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	120	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	120	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	120	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	120	8.5	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	290	23	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	290	12	ug/kg	
91-58-7	2-Chloronaphthalene	ND	290	24	ug/kg	
106-47-8	4-Chloroaniline	ND	580	140	ug/kg	
86-74-8	Carbazole	ND	120	23	ug/kg	
218-01-9	Chrysene	ND	120	9.4	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	290	22	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	290	6.2	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	290	27	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	290	26	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB04(13-15)-061912**Lab Sample ID:** MC11638-8**Date Sampled:** 06/19/12**Matrix:** SO - Soil**Date Received:** 06/21/12**Method:** SW846 8270C SW846 3546**Percent Solids:** 83.1**Project:** Blackhawk Drive - BA, Forest Park, IL

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	290	23	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	290	24	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	290	24	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	580	140	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	580	28	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	290	6.9	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	120	19	ug/kg	
132-64-9	Dibenzofuran	ND	120	24	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	290	26	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	290	15	ug/kg	
84-66-2	Diethyl phthalate	ND	290	25	ug/kg	
131-11-3	Dimethyl phthalate	ND	290	20	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	290	20	ug/kg	
206-44-0	Fluoranthene	ND	120	9.8	ug/kg	
86-73-7	Fluorene	ND	120	6.3	ug/kg	
118-74-1	Hexachlorobenzene	ND	290	25	ug/kg	
87-68-3	Hexachlorobutadiene	ND	290	23	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	580	3.9	ug/kg	
67-72-1	Hexachloroethane	ND	290	23	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	120	18	ug/kg	
78-59-1	Isophorone	ND	290	29	ug/kg	
91-57-6	2-Methylnaphthalene	ND	120	24	ug/kg	
88-74-4	2-Nitroaniline	ND	580	140	ug/kg	
99-09-2	3-Nitroaniline	ND	580	140	ug/kg	
100-01-6	4-Nitroaniline	ND	580	21	ug/kg	
91-20-3	Naphthalene	ND	120	6.7	ug/kg	
98-95-3	Nitrobenzene	ND	290	8.5	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	290	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	290	15	ug/kg	
85-01-8	Phenanthrene	ND	120	7.4	ug/kg	
129-00-0	Pyrene	ND	120	9.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	290	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	57%		30-130%
4165-62-2	Phenol-d5	52%		30-130%
118-79-6	2,4,6-Tribromophenol	53%		30-130%
4165-60-0	Nitrobenzene-d5	58%		30-130%
321-60-8	2-Fluorobiphenyl	59%		30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB04(13-15)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-8	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	83.1
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	76%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB04(13-15)-061912

Lab Sample ID: MC11638-8

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 83.1

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	10500	21	2.4	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Antimony	0.14 U	1.0	0.14	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Arsenic	4.5	1.0	0.17	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Barium	38.4	5.1	0.072	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Beryllium	0.57	0.41	0.041	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cadmium	0.041 B	0.41	0.023	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Calcium	51900	510	1.7	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Chromium	18.8	1.0	0.11	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cobalt	8.8	5.1	0.041	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Copper	18.2	2.6	0.17	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Iron	18100	10	1.9	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Lead	10.2	1.0	0.21	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Magnesium	24300	510	4.1	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Manganese	379	1.5	0.27	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Mercury	0.013 U	0.035	0.013	mg/kg	1	06/28/12	06/29/12 EM	SW846 7471B ²	SW846 7471B ⁴
Nickel	25.6	4.1	0.061	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Potassium	2560	510	6.0	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Selenium	0.15 U	1.0	0.15	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Silver	0.080 U	0.51	0.080	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Sodium	170 B	510	2.8	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Thallium	0.28 B	1.0	0.12	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Vanadium	19.9	1.0	0.12	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Zinc	46.7	2.1	0.26	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³

(1) Instrument QC Batch: MA14423

(2) Instrument QC Batch: MA14425

(3) Prep QC Batch: MP19228

(4) Prep QC Batch: MP19242

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SB04(13-15)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-8	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	83.1
Project:	Blackhawk Drive - BA, Forest Park, IL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.14	0.14	mg/kg	1	06/28/12 13:12	MA	SW846 9012 M
Solids, Percent	83.1		%	1	06/22/12	HS	SM21 2540 B MOD.
pH	6.6		su	1	06/22/12	CF	SW846 9045

RL = Reporting Limit

Report of Analysis

Client Sample ID: BH-SB04(13-15)-061912

Lab Sample ID: MC11638-8A

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 83.1

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0019 U	D004	5.0	0.010	0.0019	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Barium	0.32 B	D005	100	0.50	0.00065	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Cadmium	0.0036 B	D006	1.0	0.0040	0.00021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Chromium	0.0016 B	D007	5.0	0.010	0.0011	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Lead	0.020	D008	5.0	0.010	0.0021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Mercury	0.000062 U	D009	0.20	0.00020	0.000062	mg/l	1	06/27/12	06/28/12	EM SW846 7470A ¹
Selenium	0.014 B	D010	1.0	0.025	0.0020	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Silver	0.0013 U	D011	5.0	0.0050	0.0013	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²

(1) Instrument QC Batch: MA14418

(2) Instrument QC Batch: MA14421

(3) Prep QC Batch: MP19224

(4) Prep QC Batch: MP19233

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261.6/96)

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SS05(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-9	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	80.9
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M49102.D	1	06/26/12	AMY	n/a	n/a	MSM1644
Run #2							

	Initial Weight	Final Volume
Run #1	8.65 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	48.0	3.6	3.6	ug/kg	
71-43-2	Benzene	ND	0.36	0.089	ug/kg	
75-27-4	Bromodichloromethane	ND	1.4	0.15	ug/kg	
75-25-2	Bromoform	ND	1.4	0.34	ug/kg	
74-83-9	Bromomethane	ND	1.4	0.48	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3.6	0.85	ug/kg	
75-15-0	Carbon disulfide	1.2	3.6	0.69	ug/kg	J
56-23-5	Carbon tetrachloride	ND	1.4	0.16	ug/kg	
108-90-7	Chlorobenzene	ND	1.4	0.067	ug/kg	
75-00-3	Chloroethane	ND	3.6	0.19	ug/kg	
67-66-3	Chloroform	ND	1.4	0.11	ug/kg	
74-87-3	Chloromethane	ND	3.6	0.15	ug/kg	
124-48-1	Dibromochloromethane	ND	1.4	0.47	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.4	0.11	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.4	0.10	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.4	0.23	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.4	0.19	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.4	0.18	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.4	0.16	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.4	0.71	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.4	0.49	ug/kg	
100-41-4	Ethylbenzene	ND	1.4	0.093	ug/kg	
591-78-6	2-Hexanone	ND	3.6	0.75	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	3.6	0.60	ug/kg	
75-09-2	Methylene chloride	ND	1.4	0.26	ug/kg	
100-42-5	Styrene	ND	3.6	0.36	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.4	0.13	ug/kg	
127-18-4	Tetrachloroethene	ND	1.4	0.12	ug/kg	
108-88-3	Toluene	ND	3.6	0.13	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.4	0.13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.4	0.18	ug/kg	
79-01-6	Trichloroethene	ND	1.4	0.14	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS05(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-9	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	80.9
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.4	0.46	ug/kg	
1330-20-7	Xylene (total)	ND	1.4	0.090	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	83%		70-130%
2037-26-5	Toluene-D8	84%		70-130%
460-00-4	4-Bromofluorobenzene	81%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS05(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-9	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	80.9
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W2538.D	1	06/27/12	KR	06/25/12	OP29365	MSW125
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.3 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	300	16	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	610	21	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	610	36	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	610	61	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1200	300	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	610	300	ug/kg	
95-48-7	2-Methylphenol	ND	610	17	ug/kg	
	3&4-Methylphenol	ND	610	32	ug/kg	
88-75-5	2-Nitrophenol	ND	610	37	ug/kg	
100-02-7	4-Nitrophenol	ND	1200	300	ug/kg	
87-86-5	Pentachlorophenol	ND	610	57	ug/kg	
108-95-2	Phenol	ND	300	51	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	610	45	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	610	42	ug/kg	
83-32-9	Acenaphthene	ND	120	26	ug/kg	
208-96-8	Acenaphthylene	ND	120	23	ug/kg	
120-12-7	Anthracene	ND	120	24	ug/kg	
56-55-3	Benzo(a)anthracene	99.6	120	11	ug/kg	J
50-32-8	Benzo(a)pyrene	75.5	120	18	ug/kg	J
205-99-2	Benzo(b)fluoranthene	110	120	36	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	57.3	120	20	ug/kg	J
207-08-9	Benzo(k)fluoranthene	38.8	120	9.0	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	300	25	ug/kg	
85-68-7	Butyl benzyl phthalate	14.2	300	13	ug/kg	J
91-58-7	2-Chloronaphthalene	ND	300	26	ug/kg	
106-47-8	4-Chloroaniline	ND	610	150	ug/kg	
86-74-8	Carbazole	ND	120	24	ug/kg	
218-01-9	Chrysene	92.6	120	9.9	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	300	24	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	300	6.5	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	300	29	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	300	27	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SS05(0-2)-061912

Lab Sample ID: MC11638-9

Date Sampled: 06/19/12

Matrix: SO - Soil

Date Received: 06/21/12

Method: SW846 8270C SW846 3546

Percent Solids: 80.9

Project: Blackhawk Drive - BA, Forest Park, IL

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	300	25	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	300	25	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	300	25	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	610	150	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	610	29	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	300	7.3	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	120	20	ug/kg	
132-64-9	Dibenzofuran	ND	120	26	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	300	28	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	300	16	ug/kg	
84-66-2	Diethyl phthalate	ND	300	26	ug/kg	
131-11-3	Dimethyl phthalate	ND	300	21	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	27.4	300	21	ug/kg	J
206-44-0	Fluoranthene	189	120	10	ug/kg	
86-73-7	Fluorene	ND	120	6.7	ug/kg	
118-74-1	Hexachlorobenzene	ND	300	26	ug/kg	
87-68-3	Hexachlorobutadiene	ND	300	24	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	610	4.1	ug/kg	
67-72-1	Hexachloroethane	ND	300	25	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	47.9	120	19	ug/kg	J
78-59-1	Isophorone	ND	300	30	ug/kg	
91-57-6	2-Methylnaphthalene	ND	120	26	ug/kg	
88-74-4	2-Nitroaniline	ND	610	150	ug/kg	
99-09-2	3-Nitroaniline	ND	610	150	ug/kg	
100-01-6	4-Nitroaniline	ND	610	23	ug/kg	
91-20-3	Naphthalene	17.7	120	7.1	ug/kg	J
98-95-3	Nitrobenzene	ND	300	9.0	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	300	19	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	300	16	ug/kg	
85-01-8	Phenanthrene	71.1	120	7.8	ug/kg	J
129-00-0	Pyrene	143	120	9.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	300	26	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	68%		30-130%
4165-62-2	Phenol-d5	70%		30-130%
118-79-6	2,4,6-Tribromophenol	78%		30-130%
4165-60-0	Nitrobenzene-d5	64%		30-130%
321-60-8	2-Fluorobiphenyl	70%		30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS05(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-9	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	80.9
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	87%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS05(0-2)-061912	
Lab Sample ID:	MC11638-9	Date Sampled: 06/19/12
Matrix:	SO - Soil	Date Received: 06/21/12
Method:	SW846 8015	Percent Solids: 80.9
Project:	Blackhawk Drive - BA, Forest Park, IL	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH27124.D	1	06/23/12	AF	n/a	n/a	GBH1519
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	7.75 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (VOA)	ND	9.2	1.7	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
615-59-8	2,5-Dibromotoluene	86%		36-148%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS05(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-9	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	80.9
Method:	SW846 8081 SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE30807.D	1	06/30/12	AP	06/22/12	OP29363	GBE1711
Run #2							

Run #	Initial Weight	Final Volume
Run #1	15.8 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	7.8	2.2	ug/kg	
319-84-6	alpha-BHC	ND	7.8	2.0	ug/kg	
319-85-7	beta-BHC	ND	7.8	2.8	ug/kg	
319-86-8	delta-BHC	ND	7.8	2.0	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	7.8	2.2	ug/kg	
5103-71-9	alpha-Chlordane	ND	7.8	2.9	ug/kg	
5103-74-2	gamma-Chlordane	ND	7.8	2.4	ug/kg	
60-57-1	Dieldrin	ND	7.8	2.3	ug/kg	
72-54-8	4,4' -DDD	ND	7.8	3.2	ug/kg	
72-55-9	4,4' -DDE	ND	7.8	2.5	ug/kg	
50-29-3	4,4' -DDT	ND	7.8	4.3	ug/kg	
72-20-8	Endrin	ND	7.8	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	7.8	3.3	ug/kg	
7421-93-4	Endrin aldehyde	ND	7.8	2.7	ug/kg	
959-98-8	Endosulfan-I	ND	7.8	2.3	ug/kg	
33213-65-9	Endosulfan-II	ND	7.8	2.6	ug/kg	
76-44-8	Heptachlor	ND	7.8	2.4	ug/kg	
1024-57-3	Heptachlor epoxide	ND	7.8	2.4	ug/kg	
72-43-5	Methoxychlor	ND	7.8	3.3	ug/kg	
53494-70-5	Endrin ketone	ND	7.8	3.1	ug/kg	
8001-35-2	Toxaphene	ND	78	9.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	233% ^a		30-150%
877-09-8	Tetrachloro-m-xylene	49%		30-150%
2051-24-3	Decachlorobiphenyl	54%		30-150%
2051-24-3	Decachlorobiphenyl	63%		30-150%

(a) Outside control limits due to possible matrix interference. Confirmed by Matrix Spike/Matrix Spike Duplicate.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS05(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-9	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	80.9
Method:	SW846 8082 SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK13948.D	1	06/25/12	AP	06/22/12	OP29362	GBK555
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	120	17	ug/kg	
11104-28-2	Aroclor 1221	ND	120	17	ug/kg	
11141-16-5	Aroclor 1232	ND	120	23	ug/kg	
53469-21-9	Aroclor 1242	ND	120	8.2	ug/kg	
12672-29-6	Aroclor 1248	ND	120	3.2	ug/kg	
11097-69-1	Aroclor 1254	ND	120	19	ug/kg	
11096-82-5	Aroclor 1260	ND	120	4.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	104%		30-150%
877-09-8	Tetrachloro-m-xylene	120%		30-150%
2051-24-3	Decachlorobiphenyl	116%		30-150%
2051-24-3	Decachlorobiphenyl	139%		30-150%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS05(0-2)-061912	
Lab Sample ID:	MC11638-9	Date Sampled: 06/19/12
Matrix:	SO - Soil	Date Received: 06/21/12
Method:	SW846-8015 SW846 3546	Percent Solids: 80.9
Project:	Blackhawk Drive - BA, Forest Park, IL	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC640967.D	1	06/25/12	KN	06/25/12	OP29364	GBC2994
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (Semi-VOA)	53.6	20	1.5	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	66%		40-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SS05(0-2)-061912

Lab Sample ID: MC11638-9

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 80.9

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	12300	22	2.5	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Antimony	0.16 B	1.1	0.15	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Arsenic	5.4	1.1	0.19	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Barium	60.2	5.5	0.077	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Beryllium	0.70	0.44	0.044	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cadmium	0.024 U	0.44	0.024	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Calcium	4670	550	1.9	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Chromium	18.4	1.1	0.12	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cobalt	7.3	5.5	0.044	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Copper	17.5	2.7	0.19	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Iron	17700	11	2.0	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Lead	15.4	1.1	0.22	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Magnesium	4280	550	4.4	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Manganese	150	1.6	0.28	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Mercury	0.013 U	0.036	0.013	mg/kg	1	06/28/12	06/29/12 EM	SW846 7471B ²	SW846 7471B ⁴
Nickel	23.1	4.4	0.065	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Potassium	1680	550	6.3	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Selenium	0.42 B	1.1	0.16	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Silver	0.085 U	0.55	0.085	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Sodium	70.6 B	550	3.0	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Thallium	0.13 U	1.1	0.13	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Vanadium	21.3	1.1	0.13	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Zinc	46.0	2.2	0.27	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³

(1) Instrument QC Batch: MA14423

(2) Instrument QC Batch: MA14425

(3) Prep QC Batch: MP19228

(4) Prep QC Batch: MP19242

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SS05(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-9	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	80.9
Project:	Blackhawk Drive - BA, Forest Park, IL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.14	0.14	mg/kg	1	06/28/12 13:22	MA	SW846 9012 M
Solids, Percent	80.9		%	1	06/25/12	MC	SM21 2540 B MOD.
pH	7.9		su	1	06/22/12	CF	SW846 9045

RL = Reporting Limit

Report of Analysis

Client Sample ID: BH-SS05(0-2)-061912

Lab Sample ID: MC11638-9A

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 80.9

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0056 B	D004	5.0	0.010	0.0019	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Barium	0.25 B	D005	100	0.50	0.00065	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Cadmium	0.00030 B	D006	1.0	0.0040	0.00021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Chromium	0.0011 B	D007	5.0	0.010	0.0011	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Lead	0.0072 B	D008	5.0	0.010	0.0021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Mercury	0.000062 U	D009	0.20	0.00020	0.000062	mg/l	1	06/27/12	06/28/12	EM SW846 7470A ¹
Selenium	0.0071 B	D010	1.0	0.025	0.0020	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Silver	0.0013 U	D011	5.0	0.0050	0.0013	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²

(1) Instrument QC Batch: MA14418

(2) Instrument QC Batch: MA14421

(3) Prep QC Batch: MP19224

(4) Prep QC Batch: MP19233

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261.6/96)

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SS05(0-2)-061912D	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-10	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	83.5
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M49118.D	1	06/27/12	AMY	n/a	n/a	MSM1645
Run #2							

	Initial Weight	Final Volume
Run #1	8.27 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	44.5	3.6	3.6	ug/kg	
71-43-2	Benzene	ND	0.36	0.091	ug/kg	
75-27-4	Bromodichloromethane	ND	1.4	0.15	ug/kg	
75-25-2	Bromoform	ND	1.4	0.34	ug/kg	
74-83-9	Bromomethane	ND	1.4	0.49	ug/kg	
78-93-3	2-Butanone (MEK)	1.4	3.6	0.86	ug/kg	J
75-15-0	Carbon disulfide	1.8	3.6	0.70	ug/kg	J
56-23-5	Carbon tetrachloride	ND	1.4	0.16	ug/kg	
108-90-7	Chlorobenzene	ND	1.4	0.068	ug/kg	
75-00-3	Chloroethane	ND	3.6	0.19	ug/kg	
67-66-3	Chloroform	ND	1.4	0.11	ug/kg	
74-87-3	Chloromethane	ND	3.6	0.16	ug/kg	
124-48-1	Dibromochloromethane	ND	1.4	0.47	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.4	0.11	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.4	0.10	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.4	0.23	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.4	0.20	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.4	0.18	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.4	0.17	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.4	0.72	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.4	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	1.4	0.094	ug/kg	
591-78-6	2-Hexanone	ND	3.6	0.76	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	3.6	0.61	ug/kg	
75-09-2	Methylene chloride	ND	1.4	0.26	ug/kg	
100-42-5	Styrene	ND	3.6	0.36	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.4	0.13	ug/kg	
127-18-4	Tetrachloroethene	ND	1.4	0.12	ug/kg	
108-88-3	Toluene	ND	3.6	0.13	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.4	0.13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.4	0.18	ug/kg	
79-01-6	Trichloroethene	ND	1.4	0.14	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS05(0-2)-061912D	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-10	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	83.5
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.4	0.47	ug/kg	
1330-20-7	Xylene (total)	ND	1.4	0.091	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	83%		70-130%
2037-26-5	Toluene-D8	85%		70-130%
460-00-4	4-Bromofluorobenzene	81%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS05(0-2)-061912D	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-10	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	83.5
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W2500.D	1	06/26/12	KR	06/25/12	OP29365	MSW122
Run #2							

Run #	Initial Weight	Final Volume
Run #1	21.0 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	290	15	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	570	20	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	570	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	570	57	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1100	290	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	570	290	ug/kg	
95-48-7	2-Methylphenol	ND	570	16	ug/kg	
	3&4-Methylphenol	ND	570	30	ug/kg	
88-75-5	2-Nitrophenol	ND	570	34	ug/kg	
100-02-7	4-Nitrophenol	ND	1100	290	ug/kg	
87-86-5	Pentachlorophenol	ND	570	53	ug/kg	
108-95-2	Phenol	ND	290	47	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	570	43	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	570	39	ug/kg	
83-32-9	Acenaphthene	ND	110	24	ug/kg	
208-96-8	Acenaphthylene	ND	110	21	ug/kg	
120-12-7	Anthracene	ND	110	23	ug/kg	
56-55-3	Benzo(a)anthracene	59.4	110	11	ug/kg	J
50-32-8	Benzo(a)pyrene	45.2	110	17	ug/kg	J
205-99-2	Benzo(b)fluoranthene	67.3	110	33	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	37.3	110	19	ug/kg	J
207-08-9	Benzo(k)fluoranthene	28.1	110	8.5	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	290	23	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	290	12	ug/kg	
91-58-7	2-Chloronaphthalene	ND	290	24	ug/kg	
106-47-8	4-Chloroaniline	ND	570	140	ug/kg	
86-74-8	Carbazole	ND	110	22	ug/kg	
218-01-9	Chrysene	56.5	110	9.3	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	290	22	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	290	6.1	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	290	27	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	290	26	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SS05(0-2)-061912D**Lab Sample ID:** MC11638-10**Date Sampled:** 06/19/12**Matrix:** SO - Soil**Date Received:** 06/21/12**Method:** SW846 8270C SW846 3546**Percent Solids:** 83.5**Project:** Blackhawk Drive - BA, Forest Park, IL

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	290	23	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	290	24	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	290	24	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	570	140	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	570	27	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	290	6.9	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	110	19	ug/kg	
132-64-9	Dibenzofuran	ND	110	24	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	290	26	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	290	15	ug/kg	
84-66-2	Diethyl phthalate	ND	290	25	ug/kg	
131-11-3	Dimethyl phthalate	ND	290	20	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	26.9	290	20	ug/kg	J
206-44-0	Fluoranthene	104	110	9.7	ug/kg	J
86-73-7	Fluorene	ND	110	6.3	ug/kg	
118-74-1	Hexachlorobenzene	ND	290	25	ug/kg	
87-68-3	Hexachlorobutadiene	ND	290	22	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	570	3.8	ug/kg	
67-72-1	Hexachloroethane	ND	290	23	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	28.8	110	18	ug/kg	J
78-59-1	Isophorone	ND	290	28	ug/kg	
91-57-6	2-Methylnaphthalene	ND	110	24	ug/kg	
88-74-4	2-Nitroaniline	ND	570	140	ug/kg	
99-09-2	3-Nitroaniline	ND	570	140	ug/kg	
100-01-6	4-Nitroaniline	ND	570	21	ug/kg	
91-20-3	Naphthalene	15.4	110	6.6	ug/kg	J
98-95-3	Nitrobenzene	ND	290	8.5	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	290	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	290	15	ug/kg	
85-01-8	Phenanthrene	61.7	110	7.4	ug/kg	J
129-00-0	Pyrene	87.7	110	9.2	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	290	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	60%		30-130%
4165-62-2	Phenol-d5	62%		30-130%
118-79-6	2,4,6-Tribromophenol	79%		30-130%
4165-60-0	Nitrobenzene-d5	59%		30-130%
321-60-8	2-Fluorobiphenyl	64%		30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS05(0-2)-061912D	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-10	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	83.5
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	95%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SS05(0-2)-061912D**Lab Sample ID:** MC11638-10**Matrix:** SO - Soil**Date Sampled:** 06/19/12**Date Received:** 06/21/12**Percent Solids:** 83.5**Project:** Blackhawk Drive - BA, Forest Park, IL

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	11900	21	2.5	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Antimony	0.15 U	1.1	0.15	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Arsenic	6.8	1.1	0.18	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Barium	123	5.3	0.075	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Beryllium	0.86	0.43	0.043	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cadmium	0.13 B	0.43	0.024	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Calcium	37900	530	1.8	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Chromium	22.5	1.1	0.12	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cobalt	8.8	5.3	0.043	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Copper	23.2	2.7	0.18	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Iron	20800	11	1.9	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Lead	31.1	1.1	0.21	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Magnesium	15500	530	4.3	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Manganese	983	1.6	0.28	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Mercury	0.028 B	0.037	0.013	mg/kg	1	06/28/12	06/29/12 EM	SW846 7471B ²	SW846 7471B ⁴
Nickel	22.3	4.3	0.063	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Potassium	1750	530	6.2	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Selenium	0.16 U	1.1	0.16	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Silver	0.083 U	0.53	0.083	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Sodium	125 B	530	2.9	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Thallium	0.13 U	1.1	0.13	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Vanadium	22.8	1.1	0.13	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Zinc	67.9	2.1	0.27	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³

(1) Instrument QC Batch: MA14423

(2) Instrument QC Batch: MA14425

(3) Prep QC Batch: MP19228

(4) Prep QC Batch: MP19242

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SS05(0-2)-061912D	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-10	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	83.5
Project:	Blackhawk Drive - BA, Forest Park, IL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.14	0.14	mg/kg	1	06/28/12 13:23	MA	SW846 9012 M
Solids, Percent	83.5		%	1	06/22/12	HS	SM21 2540 B MOD.
pH	7.5		su	1	06/22/12	CF	SW846 9045

RL = Reporting Limit

Report of Analysis

Client Sample ID: BH-SS05(0-2)-061912D

Lab Sample ID: MC11638-10A

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 83.5

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0019 U	D004	5.0	0.010	0.0019	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Barium	0.98	D005	100	0.50	0.00065	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Cadmium	0.0018 B	D006	1.0	0.0040	0.00021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Chromium	0.0011 U	D007	5.0	0.010	0.0011	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Lead	0.0021 U	D008	5.0	0.010	0.0021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Mercury	0.000062 U	D009	0.20	0.00020	0.000062	mg/l	1	06/27/12	06/28/12	EM SW846 7470A ¹
Selenium	0.0058 B	D010	1.0	0.025	0.0020	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Silver	0.0037 B	D011	5.0	0.0050	0.0013	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²

(1) Instrument QC Batch: MA14418

(2) Instrument QC Batch: MA14421

(3) Prep QC Batch: MP19224

(4) Prep QC Batch: MP19233

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261.6/96)

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SB05(15-17)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-11	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M49104.D	1	06/26/12	AMY	n/a	n/a	MSM1644
Run #2							

	Initial Weight	Final Volume
Run #1	9.29 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	6.5	3.2	3.2	ug/kg	
71-43-2	Benzene	ND	0.32	0.079	ug/kg	
75-27-4	Bromodichloromethane	ND	1.3	0.13	ug/kg	
75-25-2	Bromoform	ND	1.3	0.30	ug/kg	
74-83-9	Bromomethane	ND	1.3	0.43	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3.2	0.75	ug/kg	
75-15-0	Carbon disulfide	ND	3.2	0.61	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.3	0.14	ug/kg	
108-90-7	Chlorobenzene	ND	1.3	0.059	ug/kg	
75-00-3	Chloroethane	ND	3.2	0.16	ug/kg	
67-66-3	Chloroform	ND	1.3	0.094	ug/kg	
74-87-3	Chloromethane	ND	3.2	0.14	ug/kg	
124-48-1	Dibromochloromethane	ND	1.3	0.41	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.3	0.096	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.091	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.3	0.20	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.3	0.17	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.3	0.16	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.3	0.14	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.3	0.63	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.3	0.43	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.082	ug/kg	
591-78-6	2-Hexanone	ND	3.2	0.66	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	3.2	0.53	ug/kg	
75-09-2	Methylene chloride	ND	1.3	0.23	ug/kg	
100-42-5	Styrene	ND	3.2	0.32	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.3	0.11	ug/kg	
127-18-4	Tetrachloroethene	ND	1.3	0.11	ug/kg	
108-88-3	Toluene	ND	3.2	0.11	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.3	0.12	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.3	0.16	ug/kg	
79-01-6	Trichloroethene	ND	1.3	0.12	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB05(15-17)-061912**Lab Sample ID:** MC11638-11**Matrix:** SO - Soil**Method:** SW846 8260B**Project:** Blackhawk Drive - BA, Forest Park, IL**Date Sampled:** 06/19/12**Date Received:** 06/21/12**Percent Solids:** 85.3

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.3	0.41	ug/kg	
1330-20-7	Xylene (total)	ND	1.3	0.079	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	82%		70-130%
2037-26-5	Toluene-D8	82%		70-130%
460-00-4	4-Bromofluorobenzene	82%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB05(15-17)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-11	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W2534.D	1	06/27/12	KR	06/25/12	OP29365	MSW125
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.6 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	280	15	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	570	20	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	570	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	570	57	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1100	280	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	570	280	ug/kg	
95-48-7	2-Methylphenol	ND	570	16	ug/kg	
	3&4-Methylphenol	ND	570	30	ug/kg	
88-75-5	2-Nitrophenol	ND	570	34	ug/kg	
100-02-7	4-Nitrophenol	ND	1100	280	ug/kg	
87-86-5	Pentachlorophenol	ND	570	53	ug/kg	
108-95-2	Phenol	ND	280	47	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	570	42	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	570	39	ug/kg	
83-32-9	Acenaphthene	ND	110	24	ug/kg	
208-96-8	Acenaphthylene	ND	110	21	ug/kg	
120-12-7	Anthracene	ND	110	22	ug/kg	
56-55-3	Benzo(a)anthracene	ND	110	10	ug/kg	
50-32-8	Benzo(a)pyrene	ND	110	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	110	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	20.0	110	18	ug/kg	J
207-08-9	Benzo(k)fluoranthene	ND	110	8.4	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	280	23	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	280	12	ug/kg	
91-58-7	2-Chloronaphthalene	ND	280	24	ug/kg	
106-47-8	4-Chloroaniline	ND	570	140	ug/kg	
86-74-8	Carbazole	ND	110	22	ug/kg	
218-01-9	Chrysene	ND	110	9.3	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	280	22	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	280	6.1	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	280	27	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	280	26	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB05(15-17)-061912

Lab Sample ID: MC11638-11

Date Sampled: 06/19/12

Matrix: SO - Soil

Date Received: 06/21/12

Method: SW846 8270C SW846 3546

Percent Solids: 85.3

Project: Blackhawk Drive - BA, Forest Park, IL

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	280	23	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	280	24	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	280	24	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	570	140	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	570	27	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	280	6.8	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	110	18	ug/kg	
132-64-9	Dibenzofuran	ND	110	24	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	280	26	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	280	15	ug/kg	
84-66-2	Diethyl phthalate	ND	280	25	ug/kg	
131-11-3	Dimethyl phthalate	ND	280	20	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	280	20	ug/kg	
206-44-0	Fluoranthene	ND	110	9.7	ug/kg	
86-73-7	Fluorene	ND	110	6.2	ug/kg	
118-74-1	Hexachlorobenzene	ND	280	24	ug/kg	
87-68-3	Hexachlorobutadiene	ND	280	22	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	570	3.8	ug/kg	
67-72-1	Hexachloroethane	ND	280	23	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	110	17	ug/kg	
78-59-1	Isophorone	ND	280	28	ug/kg	
91-57-6	2-Methylnaphthalene	ND	110	24	ug/kg	
88-74-4	2-Nitroaniline	ND	570	140	ug/kg	
99-09-2	3-Nitroaniline	ND	570	140	ug/kg	
100-01-6	4-Nitroaniline	ND	570	21	ug/kg	
91-20-3	Naphthalene	ND	110	6.6	ug/kg	
98-95-3	Nitrobenzene	ND	280	8.4	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	280	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	280	15	ug/kg	
85-01-8	Phenanthrene	32.4	110	7.3	ug/kg	J
129-00-0	Pyrene	13.4	110	9.1	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	280	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	62%		30-130%
4165-62-2	Phenol-d5	61%		30-130%
118-79-6	2,4,6-Tribromophenol	51%		30-130%
4165-60-0	Nitrobenzene-d5	62%		30-130%
321-60-8	2-Fluorobiphenyl	64%		30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB05(15-17)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-11	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	82%		30-130%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB05(15-17)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-11	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846 8015		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH27118.D	1	06/23/12	AF	n/a	n/a	GBH1519
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	9.61 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (VOA)	3.09	7.0	1.3	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	95%		36-148%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB05(15-17)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-11	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846 8081 SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE30815.D	1	07/03/12	AP	06/28/12	OP29435	GBE1712
Run #2							

Run #	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	7.7	2.2	ug/kg	
319-84-6	alpha-BHC	ND	7.7	2.0	ug/kg	
319-85-7	beta-BHC	ND	7.7	2.7	ug/kg	
319-86-8	delta-BHC	ND	7.7	2.0	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	7.7	2.2	ug/kg	
5103-71-9	alpha-Chlordane	ND	7.7	2.9	ug/kg	
5103-74-2	gamma-Chlordane	ND	7.7	2.3	ug/kg	
60-57-1	Dieldrin	ND	7.7	2.3	ug/kg	
72-54-8	4,4' -DDD	ND	7.7	3.1	ug/kg	
72-55-9	4,4' -DDE	ND	7.7	2.4	ug/kg	
50-29-3	4,4' -DDT	ND	7.7	4.3	ug/kg	
72-20-8	Endrin	ND	7.7	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	7.7	3.2	ug/kg	
7421-93-4	Endrin aldehyde	ND	7.7	2.7	ug/kg	
959-98-8	Endosulfan-I	ND	7.7	2.3	ug/kg	
33213-65-9	Endosulfan-II	ND	7.7	2.6	ug/kg	
76-44-8	Heptachlor	ND	7.7	2.4	ug/kg	
1024-57-3	Heptachlor epoxide	ND	7.7	2.3	ug/kg	
72-43-5	Methoxychlor	ND	7.7	3.2	ug/kg	
53494-70-5	Endrin ketone	ND	7.7	3.0	ug/kg	
8001-35-2	Toxaphene	ND	7.7	8.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	341% ^a		30-150%
877-09-8	Tetrachloro-m-xylene	67%		30-150%
2051-24-3	Decachlorobiphenyl	75%		30-150%
2051-24-3	Decachlorobiphenyl	89%		30-150%

(a) Outside control limits due to possible matrix interference. Confirmed by Matrix Spike/Matrix Spike Duplicate.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB05(15-17)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-11	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846 8082 SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK13988.D	1	06/26/12	AP	06/22/12	OP29362	GBK556
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	120	16	ug/kg	
11104-28-2	Aroclor 1221	ND	120	17	ug/kg	
11141-16-5	Aroclor 1232	ND	120	22	ug/kg	
53469-21-9	Aroclor 1242	ND	120	7.8	ug/kg	
12672-29-6	Aroclor 1248	ND	120	3.0	ug/kg	
11097-69-1	Aroclor 1254	ND	120	18	ug/kg	
11096-82-5	Aroclor 1260	ND	120	4.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	110%		30-150%
877-09-8	Tetrachloro-m-xylene	121%		30-150%
2051-24-3	Decachlorobiphenyl	137%		30-150%
2051-24-3	Decachlorobiphenyl	147%		30-150%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	BH-SB05(15-17)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-11	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846-8015 SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC641227.D	1	06/29/12	KN	06/26/12	OP29392	GBC3003
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (Semi-VOA)	19.2	19	2.3	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	67%		40-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB05(15-17)-061912

Lab Sample ID: MC11638-11

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 85.3

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	10300	20	2.3	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Antimony	0.14 U	1.0	0.14	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Arsenic	6.9	1.0	0.17	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Barium	32.5	5.1	0.071	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Beryllium	0.57	0.41	0.041	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cadmium	0.022 U	0.41	0.022	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Calcium	44900	510	1.7	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Chromium	18.2	1.0	0.11	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cobalt	10.7	5.1	0.041	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Copper	18.9	2.5	0.17	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Iron	20200	10	1.8	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Lead	11.2	1.0	0.20	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Magnesium	24500	510	4.1	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Manganese	417	1.5	0.27	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Mercury	0.013 U	0.035	0.013	mg/kg	1	06/28/12	06/29/12 EM	SW846 7471B ²	SW846 7471B ⁴
Nickel	28.5	4.1	0.060	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Potassium	2880	510	5.9	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Selenium	0.15 U	1.0	0.15	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Silver	0.080 U	0.51	0.080	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Sodium	206 B	510	2.8	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Thallium	0.19 B	1.0	0.12	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Vanadium	17.3	1.0	0.12	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Zinc	41.0	2.0	0.25	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³

(1) Instrument QC Batch: MA14423

(2) Instrument QC Batch: MA14425

(3) Prep QC Batch: MP19228

(4) Prep QC Batch: MP19242

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SB05(15-17)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-11	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.3
Project:	Blackhawk Drive - BA, Forest Park, IL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.13	0.13	mg/kg	1	06/28/12 13:24	MA	SW846 9012 M
Solids, Percent	85.3		%	1	06/22/12	HS	SM21 2540 B MOD.
pH	7.9		su	1	06/22/12	CF	SW846 9045

RL = Reporting Limit

Report of Analysis

Client Sample ID: BH-SB05(15-17)-061912

Lab Sample ID: MC11638-11A

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 85.3

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0019 U	D004	5.0	0.010	0.0019	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Barium	0.55	D005	100	0.50	0.00065	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Cadmium	0.00090 B	D006	1.0	0.0040	0.00021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Chromium	0.0011 U	D007	5.0	0.010	0.0011	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Lead	0.0021 U	D008	5.0	0.010	0.0021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Mercury	0.000062 U	D009	0.20	0.00020	0.000062	mg/l	1	06/27/12	06/28/12	EM SW846 7470A ¹
Selenium	0.0091 B	D010	1.0	0.025	0.0020	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Silver	0.0013 U	D011	5.0	0.0050	0.0013	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²

(1) Instrument QC Batch: MA14418

(2) Instrument QC Batch: MA14421

(3) Prep QC Batch: MP19224

(4) Prep QC Batch: MP19233

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261.6(g))

B = Indicates a result > MDL but < RL

Report of Analysis

Client Sample ID:	BH-SS06(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-12	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M49119.D	1	06/27/12	AMY	n/a	n/a	MSM1645
Run #2							

	Initial Weight	Final Volume
Run #1	7.22 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	4.1	4.1	ug/kg	
71-43-2	Benzene	ND	0.41	0.10	ug/kg	
75-27-4	Bromodichloromethane	ND	1.6	0.17	ug/kg	
75-25-2	Bromoform	ND	1.6	0.38	ug/kg	
74-83-9	Bromomethane	ND	1.6	0.55	ug/kg	
78-93-3	2-Butanone (MEK)	ND	4.1	0.97	ug/kg	
75-15-0	Carbon disulfide	ND	4.1	0.79	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.6	0.18	ug/kg	
108-90-7	Chlorobenzene	ND	1.6	0.076	ug/kg	
75-00-3	Chloroethane	ND	4.1	0.21	ug/kg	
67-66-3	Chloroform	ND	1.6	0.12	ug/kg	
74-87-3	Chloromethane	ND	4.1	0.18	ug/kg	
124-48-1	Dibromochloromethane	ND	1.6	0.53	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.6	0.12	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.6	0.12	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.6	0.26	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	0.22	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	0.20	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.6	0.19	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	0.81	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	0.56	ug/kg	
100-41-4	Ethylbenzene	ND	1.6	0.11	ug/kg	
591-78-6	2-Hexanone	ND	4.1	0.85	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.1	0.68	ug/kg	
75-09-2	Methylene chloride	ND	1.6	0.29	ug/kg	
100-42-5	Styrene	ND	4.1	0.41	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	0.14	ug/kg	
127-18-4	Tetrachloroethene	ND	1.6	0.14	ug/kg	
108-88-3	Toluene	ND	4.1	0.15	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.6	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.6	0.21	ug/kg	
79-01-6	Trichloroethene	ND	1.6	0.16	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS06(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-12	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.6	0.52	ug/kg	
1330-20-7	Xylene (total)	ND	1.6	0.10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	83%		70-130%
2037-26-5	Toluene-D8	83%		70-130%
460-00-4	4-Bromofluorobenzene	79%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SS06(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-12	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W2535.D	1	06/27/12	KR	06/25/12	OP29365	MSW125
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.5 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	290	15	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	570	20	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	570	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	570	57	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1100	290	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	570	290	ug/kg	
95-48-7	2-Methylphenol	ND	570	16	ug/kg	
	3&4-Methylphenol	ND	570	30	ug/kg	
88-75-5	2-Nitrophenol	ND	570	34	ug/kg	
100-02-7	4-Nitrophenol	ND	1100	290	ug/kg	
87-86-5	Pentachlorophenol	ND	570	53	ug/kg	
108-95-2	Phenol	ND	290	48	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	570	43	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	570	39	ug/kg	
83-32-9	Acenaphthene	ND	110	24	ug/kg	
208-96-8	Acenaphthylene	21.1	110	21	ug/kg	J
120-12-7	Anthracene	30.2	110	23	ug/kg	J
56-55-3	Benzo(a)anthracene	136	110	11	ug/kg	
50-32-8	Benzo(a)pyrene	141	110	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	241	110	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	149	110	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	65.6	110	8.5	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	290	23	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	290	12	ug/kg	
91-58-7	2-Chloronaphthalene	ND	290	24	ug/kg	
106-47-8	4-Chloroaniline	ND	570	140	ug/kg	
86-74-8	Carbazole	ND	110	22	ug/kg	
218-01-9	Chrysene	184	110	9.3	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	290	22	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	290	6.1	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	290	27	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	290	26	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SS06(0-2)-061912

Lab Sample ID: MC11638-12

Date Sampled: 06/19/12

Matrix: SO - Soil

Date Received: 06/21/12

Method: SW846 8270C SW846 3546

Percent Solids: 85.3

Project: Blackhawk Drive - BA, Forest Park, IL

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	290	23	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	290	24	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	290	24	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	570	140	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	570	28	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	290	6.9	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	32.8	110	19	ug/kg	J
132-64-9	Dibenzofuran	ND	110	24	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	290	26	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	290	15	ug/kg	
84-66-2	Diethyl phthalate	ND	290	25	ug/kg	
131-11-3	Dimethyl phthalate	ND	290	20	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	26.6	290	20	ug/kg	J
206-44-0	Fluoranthene	245	110	9.7	ug/kg	
86-73-7	Fluorene	ND	110	6.3	ug/kg	
118-74-1	Hexachlorobenzene	ND	290	25	ug/kg	
87-68-3	Hexachlorobutadiene	ND	290	22	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	570	3.9	ug/kg	
67-72-1	Hexachloroethane	ND	290	23	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	112	110	18	ug/kg	
78-59-1	Isophorone	ND	290	28	ug/kg	
91-57-6	2-Methylnaphthalene	ND	110	24	ug/kg	
88-74-4	2-Nitroaniline	ND	570	140	ug/kg	
99-09-2	3-Nitroaniline	ND	570	140	ug/kg	
100-01-6	4-Nitroaniline	ND	570	21	ug/kg	
91-20-3	Naphthalene	ND	110	6.6	ug/kg	
98-95-3	Nitrobenzene	ND	290	8.5	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	290	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	290	15	ug/kg	
85-01-8	Phenanthrene	86.7	110	7.4	ug/kg	J
129-00-0	Pyrene	210	110	9.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	290	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	63%		30-130%
4165-62-2	Phenol-d5	64%		30-130%
118-79-6	2,4,6-Tribromophenol	78%		30-130%
4165-60-0	Nitrobenzene-d5	63%		30-130%
321-60-8	2-Fluorobiphenyl	67%		30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SS06(0-2)-061912**Lab Sample ID:** MC11638-12**Matrix:** SO - Soil**Method:** SW846 8270C SW846 3546**Project:** Blackhawk Drive - BA, Forest Park, IL**Date Sampled:** 06/19/12**Date Received:** 06/21/12**Percent Solids:** 85.3

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	93%		30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SS06(0-2)-061912

Lab Sample ID: MC11638-12

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 85.3

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	10400	23	2.7	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Antimony	0.16 U	1.2	0.16	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Arsenic	6.1	1.2	0.20	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Barium	80.3	5.8	0.081	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Beryllium	0.56	0.46	0.046	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cadmium	0.17 B	0.46	0.026	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Calcium	51400	580	2.0	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Chromium	14.9	1.2	0.13	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cobalt	7.6	5.8	0.046	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Copper	15.8	2.9	0.20	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Iron	15100	12	2.1	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Lead	23.7	1.2	0.23	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Magnesium	22700	580	4.6	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Manganese	428	1.7	0.30	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Mercury	0.020 B	0.034	0.013	mg/kg	1	06/28/12	06/29/12 EM	SW846 7471B ²	SW846 7471B ⁴
Nickel	17.2	4.6	0.068	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Potassium	1760	580	6.7	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Selenium	0.29 B	1.2	0.17	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Silver	0.091 U	0.58	0.091	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Sodium	116 B	580	3.1	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Thallium	0.14 U	1.2	0.14	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Vanadium	18.8	1.2	0.14	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Zinc	49.3	2.3	0.29	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³

(1) Instrument QC Batch: MA14423

(2) Instrument QC Batch: MA14425

(3) Prep QC Batch: MP19228

(4) Prep QC Batch: MP19242

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SS06(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-12	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	85.3
Project:	Blackhawk Drive - BA, Forest Park, IL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.14	0.14	mg/kg	1	06/28/12 13:25	MA	SW846 9012 M
Solids, Percent	85.3		%	1	06/22/12	HS	SM21 2540 B MOD.
pH	7.6		su	1	06/22/12	CF	SW846 9045

RL = Reporting Limit

Report of Analysis

Client Sample ID: BH-SS06(0-2)-061912**Lab Sample ID:** MC11638-12A**Matrix:** SO - Soil**Date Sampled:** 06/19/12**Date Received:** 06/21/12**Percent Solids:** 85.3**Project:** Blackhawk Drive - BA, Forest Park, IL**Metals Analysis, TCLP Leachate SW846 1311**

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0019 U	D004	5.0	0.010	0.0019	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Barium	0.46 B	D005	100	0.50	0.00065	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Cadmium	0.00090 B	D006	1.0	0.0040	0.00021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Chromium	0.0011 U	D007	5.0	0.010	0.0011	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Lead	0.0021 U	D008	5.0	0.010	0.0021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Mercury	0.000062 U	D009	0.20	0.00020	0.000062	mg/l	1	06/27/12	06/28/12	EM SW846 7470A ¹
Selenium	0.0063 B	D010	1.0	0.025	0.0020	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Silver	0.0013 U	D011	5.0	0.0050	0.0013	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²

(1) Instrument QC Batch: MA14418

(2) Instrument QC Batch: MA14421

(3) Prep QC Batch: MP19224

(4) Prep QC Batch: MP19233

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261.6(g))

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SB06(13-15)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-13	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	84.5
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M49106.D	1	06/26/12	AMY	n/a	n/a	MSM1644
Run #2							

	Initial Weight	Final Volume
Run #1	9.02 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	8.3	3.3	3.3	ug/kg	
71-43-2	Benzene	ND	0.33	0.082	ug/kg	
75-27-4	Bromodichloromethane	ND	1.3	0.14	ug/kg	
75-25-2	Bromoform	ND	1.3	0.31	ug/kg	
74-83-9	Bromomethane	ND	1.3	0.44	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3.3	0.78	ug/kg	
75-15-0	Carbon disulfide	ND	3.3	0.64	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.3	0.15	ug/kg	
108-90-7	Chlorobenzene	ND	1.3	0.061	ug/kg	
75-00-3	Chloroethane	ND	3.3	0.17	ug/kg	
67-66-3	Chloroform	ND	1.3	0.097	ug/kg	
74-87-3	Chloromethane	ND	3.3	0.14	ug/kg	
124-48-1	Dibromochloromethane	ND	1.3	0.43	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.3	0.10	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.095	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.3	0.21	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.3	0.18	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.3	0.17	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.3	0.15	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.3	0.65	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.3	0.45	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.085	ug/kg	
591-78-6	2-Hexanone	ND	3.3	0.69	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	3.3	0.55	ug/kg	
75-09-2	Methylene chloride	ND	1.3	0.24	ug/kg	
100-42-5	Styrene	ND	3.3	0.33	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.3	0.12	ug/kg	
127-18-4	Tetrachloroethene	ND	1.3	0.11	ug/kg	
108-88-3	Toluene	ND	3.3	0.12	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.3	0.12	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.3	0.17	ug/kg	
79-01-6	Trichloroethene	ND	1.3	0.13	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB06(13-15)-061912**Lab Sample ID:** MC11638-13**Matrix:** SO - Soil**Method:** SW846 8260B**Project:** Blackhawk Drive - BA, Forest Park, IL**Date Sampled:** 06/19/12**Date Received:** 06/21/12**Percent Solids:** 84.5

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.3	0.42	ug/kg	
1330-20-7	Xylene (total)	ND	1.3	0.083	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		70-130%
2037-26-5	Toluene-D8	84%		70-130%
460-00-4	4-Bromofluorobenzene	85%		70-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB06(13-15)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-13	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	84.5
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W2536.D	1	06/27/12	KR	06/25/12	OP29365	MSW125
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.5 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	290	15	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	580	20	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	580	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	580	58	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1200	290	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	580	290	ug/kg	
95-48-7	2-Methylphenol	ND	580	17	ug/kg	
	3&4-Methylphenol	ND	580	31	ug/kg	
88-75-5	2-Nitrophenol	ND	580	35	ug/kg	
100-02-7	4-Nitrophenol	ND	1200	290	ug/kg	
87-86-5	Pentachlorophenol	ND	580	54	ug/kg	
108-95-2	Phenol	ND	290	48	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	580	43	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	580	40	ug/kg	
83-32-9	Acenaphthene	ND	120	24	ug/kg	
208-96-8	Acenaphthylene	ND	120	22	ug/kg	
120-12-7	Anthracene	ND	120	23	ug/kg	
56-55-3	Benzo(a)anthracene	ND	120	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	120	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	120	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	19.2	120	19	ug/kg	J
207-08-9	Benzo(k)fluoranthene	ND	120	8.5	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	290	23	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	290	12	ug/kg	
91-58-7	2-Chloronaphthalene	ND	290	24	ug/kg	
106-47-8	4-Chloroaniline	ND	580	140	ug/kg	
86-74-8	Carbazole	ND	120	23	ug/kg	
218-01-9	Chrysene	ND	120	9.4	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	290	23	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	290	6.2	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	290	27	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	290	26	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB06(13-15)-061912**Lab Sample ID:** MC11638-13**Date Sampled:** 06/19/12**Matrix:** SO - Soil**Date Received:** 06/21/12**Method:** SW846 8270C SW846 3546**Percent Solids:** 84.5**Project:** Blackhawk Drive - BA, Forest Park, IL

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	290	23	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	290	24	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	290	24	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	580	140	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	580	28	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	290	6.9	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	120	19	ug/kg	
132-64-9	Dibenzofuran	ND	120	25	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	290	26	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	290	15	ug/kg	
84-66-2	Diethyl phthalate	ND	290	25	ug/kg	
131-11-3	Dimethyl phthalate	ND	290	20	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	290	20	ug/kg	
206-44-0	Fluoranthene	ND	120	9.8	ug/kg	
86-73-7	Fluorene	ND	120	6.3	ug/kg	
118-74-1	Hexachlorobenzene	ND	290	25	ug/kg	
87-68-3	Hexachlorobutadiene	ND	290	23	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	580	3.9	ug/kg	
67-72-1	Hexachloroethane	ND	290	23	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	120	18	ug/kg	
78-59-1	Isophorone	ND	290	29	ug/kg	
91-57-6	2-Methylnaphthalene	ND	120	24	ug/kg	
88-74-4	2-Nitroaniline	ND	580	140	ug/kg	
99-09-2	3-Nitroaniline	ND	580	140	ug/kg	
100-01-6	4-Nitroaniline	ND	580	21	ug/kg	
91-20-3	Naphthalene	ND	120	6.7	ug/kg	
98-95-3	Nitrobenzene	ND	290	8.5	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	290	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	290	15	ug/kg	
85-01-8	Phenanthrene	ND	120	7.4	ug/kg	
129-00-0	Pyrene	ND	120	9.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	290	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	59%		30-130%
4165-62-2	Phenol-d5	59%		30-130%
118-79-6	2,4,6-Tribromophenol	61%		30-130%
4165-60-0	Nitrobenzene-d5	60%		30-130%
321-60-8	2-Fluorobiphenyl	60%		30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB06(13-15)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-13	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	84.5
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	79%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB06(13-15)-061912**Lab Sample ID:** MC11638-13**Matrix:** SO - Soil**Date Sampled:** 06/19/12**Date Received:** 06/21/12**Percent Solids:** 84.5**Project:** Blackhawk Drive - BA, Forest Park, IL

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	9700	21	2.4	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Antimony	0.15 U	1.0	0.15	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Arsenic	9.3	1.0	0.18	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Barium	23.8	5.2	0.073	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Beryllium	0.52	0.42	0.042	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cadmium	0.023 U	0.42	0.023	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Calcium	37000	520	1.8	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Chromium	18.3	1.0	0.11	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cobalt	10.8	5.2	0.042	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Copper	19.1	2.6	0.18	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Iron	20800	10	1.9	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Lead	15.8	1.0	0.21	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Magnesium	23400	520	4.2	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Manganese	339	1.6	0.27	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Mercury	0.013 U	0.036	0.013	mg/kg	1	06/28/12	06/29/12 EM	SW846 7471B ²	SW846 7471B ⁴
Nickel	31.5	4.2	0.061	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Potassium	2460	520	6.0	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Selenium	0.16 U	1.0	0.16	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Silver	0.081 U	0.52	0.081	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Sodium	130 B	520	2.8	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Thallium	0.20 B	1.0	0.12	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Vanadium	15.0	1.0	0.12	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Zinc	57.2	2.1	0.26	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³

(1) Instrument QC Batch: MA14423

(2) Instrument QC Batch: MA14425

(3) Prep QC Batch: MP19228

(4) Prep QC Batch: MP19242

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SB06(13-15)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-13	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	84.5
Project:	Blackhawk Drive - BA, Forest Park, IL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.14	0.14	mg/kg	1	06/28/12 13:29	MA	SW846 9012 M
Solids, Percent	84.5		%	1	06/22/12	HS	SM21 2540 B MOD.
pH	8.1		su	1	06/22/12	CF	SW846 9045

RL = Reporting Limit

Report of Analysis

Client Sample ID: BH-SB06(13-15)-061912**Lab Sample ID:** MC11638-13A**Matrix:** SO - Soil**Date Sampled:** 06/19/12**Date Received:** 06/21/12**Percent Solids:** 84.5**Project:** Blackhawk Drive - BA, Forest Park, IL**Metals Analysis, TCLP Leachate SW846 1311**

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0019 U	D004	5.0	0.010	0.0019	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Barium	0.33 B	D005	100	0.50	0.00065	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Cadmium	0.0013 B	D006	1.0	0.0040	0.00021	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Chromium	0.0011 U	D007	5.0	0.010	0.0011	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Lead	0.0025 B	D008	5.0	0.010	0.0021	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Mercury	0.000062 U	D009	0.20	0.00020	0.000062	mg/l	1	06/27/12	06/28/12 EM	SW846 7470A ¹
Selenium	0.0076 B	D010	1.0	0.025	0.0020	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Silver	0.0013 U	D011	5.0	0.0050	0.0013	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²

(1) Instrument QC Batch: MA14418

(2) Instrument QC Batch: MA14421

(3) Prep QC Batch: MP19224

(4) Prep QC Batch: MP19233

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261.6(g))

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SB06(13-15)-061912D	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-14	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	84.3
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M49107.D	1	06/26/12	AMY	n/a	n/a	MSM1644
Run #2							

	Initial Weight	Final Volume
Run #1	7.84 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	9.8	3.8	3.8	ug/kg	
71-43-2	Benzene	ND	0.38	0.095	ug/kg	
75-27-4	Bromodichloromethane	ND	1.5	0.16	ug/kg	
75-25-2	Bromoform	ND	1.5	0.36	ug/kg	
74-83-9	Bromomethane	ND	1.5	0.51	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3.8	0.90	ug/kg	
75-15-0	Carbon disulfide	ND	3.8	0.73	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.5	0.17	ug/kg	
108-90-7	Chlorobenzene	ND	1.5	0.071	ug/kg	
75-00-3	Chloroethane	ND	3.8	0.20	ug/kg	
67-66-3	Chloroform	ND	1.5	0.11	ug/kg	
74-87-3	Chloromethane	ND	3.8	0.16	ug/kg	
124-48-1	Dibromochloromethane	ND	1.5	0.49	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.5	0.12	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.5	0.11	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.5	0.24	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.5	0.20	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.19	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.5	0.17	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.5	0.76	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.5	0.52	ug/kg	
100-41-4	Ethylbenzene	ND	1.5	0.098	ug/kg	
591-78-6	2-Hexanone	ND	3.8	0.79	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	3.8	0.64	ug/kg	
75-09-2	Methylene chloride	ND	1.5	0.27	ug/kg	
100-42-5	Styrene	ND	3.8	0.38	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.5	0.13	ug/kg	
127-18-4	Tetrachloroethene	ND	1.5	0.13	ug/kg	
108-88-3	Toluene	ND	3.8	0.14	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.5	0.14	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.19	ug/kg	
79-01-6	Trichloroethene	ND	1.5	0.15	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB06(13-15)-061912D	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-14	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	84.3
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.5	0.49	ug/kg	
1330-20-7	Xylene (total)	ND	1.5	0.095	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	83%		70-130%
2037-26-5	Toluene-D8	82%		70-130%
460-00-4	4-Bromofluorobenzene	82%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB06(13-15)-061912D	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-14	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	84.3
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W2537.D	1	06/27/12	KR	06/25/12	OP29365	MSW125
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.5 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	290	16	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	580	20	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	580	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	580	58	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1200	290	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	580	290	ug/kg	
95-48-7	2-Methylphenol	ND	580	17	ug/kg	
	3&4-Methylphenol	ND	580	31	ug/kg	
88-75-5	2-Nitrophenol	ND	580	35	ug/kg	
100-02-7	4-Nitrophenol	ND	1200	290	ug/kg	
87-86-5	Pentachlorophenol	ND	580	54	ug/kg	
108-95-2	Phenol	ND	290	48	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	580	43	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	580	40	ug/kg	
83-32-9	Acenaphthene	ND	120	24	ug/kg	
208-96-8	Acenaphthylene	ND	120	22	ug/kg	
120-12-7	Anthracene	ND	120	23	ug/kg	
56-55-3	Benzo(a)anthracene	ND	120	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	120	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	120	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	120	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	120	8.6	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	290	24	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	290	12	ug/kg	
91-58-7	2-Chloronaphthalene	ND	290	24	ug/kg	
106-47-8	4-Chloroaniline	ND	580	140	ug/kg	
86-74-8	Carbazole	ND	120	23	ug/kg	
218-01-9	Chrysene	ND	120	9.4	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	290	23	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	290	6.2	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	290	28	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	290	26	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB06(13-15)-061912D

Lab Sample ID: MC11638-14

Date Sampled: 06/19/12

Matrix: SO - Soil

Date Received: 06/21/12

Method: SW846 8270C SW846 3546

Percent Solids: 84.3

Project: Blackhawk Drive - BA, Forest Park, IL

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	290	23	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	290	24	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	290	24	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	580	140	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	580	28	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	290	7.0	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	120	19	ug/kg	
132-64-9	Dibenzofuran	ND	120	25	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	290	26	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	290	15	ug/kg	
84-66-2	Diethyl phthalate	ND	290	25	ug/kg	
131-11-3	Dimethyl phthalate	ND	290	20	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	290	20	ug/kg	
206-44-0	Fluoranthene	ND	120	9.8	ug/kg	
86-73-7	Fluorene	ND	120	6.4	ug/kg	
118-74-1	Hexachlorobenzene	ND	290	25	ug/kg	
87-68-3	Hexachlorobutadiene	ND	290	23	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	580	3.9	ug/kg	
67-72-1	Hexachloroethane	ND	290	24	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	120	18	ug/kg	
78-59-1	Isophorone	ND	290	29	ug/kg	
91-57-6	2-Methylnaphthalene	ND	120	24	ug/kg	
88-74-4	2-Nitroaniline	ND	580	140	ug/kg	
99-09-2	3-Nitroaniline	ND	580	140	ug/kg	
100-01-6	4-Nitroaniline	ND	580	21	ug/kg	
91-20-3	Naphthalene	ND	120	6.7	ug/kg	
98-95-3	Nitrobenzene	ND	290	8.6	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	290	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	290	15	ug/kg	
85-01-8	Phenanthrene	ND	120	7.5	ug/kg	
129-00-0	Pyrene	11.6	120	9.3	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	290	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	63%		30-130%
4165-62-2	Phenol-d5	63%		30-130%
118-79-6	2,4,6-Tribromophenol	66%		30-130%
4165-60-0	Nitrobenzene-d5	63%		30-130%
321-60-8	2-Fluorobiphenyl	65%		30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-SB06(13-15)-061912D	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-14	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	84.3
Method:	SW846 8270C SW846 3546		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	92%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-SB06(13-15)-061912D

Lab Sample ID: MC11638-14

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 84.3

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	11000	22	2.5	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Antimony	0.15 U	1.1	0.15	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Arsenic	7.1	1.1	0.19	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Barium	58.0	5.5	0.077	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Beryllium	0.57	0.44	0.044	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cadmium	0.024 U	0.44	0.024	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Calcium	49300	550	1.9	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Chromium	19.2	1.1	0.12	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Cobalt	10.6	5.5	0.044	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Copper	16.3	2.7	0.19	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Iron	18800	11	2.0	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Lead	10.7	1.1	0.22	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Magnesium	22800	550	4.4	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Manganese	491	1.6	0.29	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Mercury	0.014 U	0.037	0.014	mg/kg	1	06/28/12	06/29/12 EM	SW846 7471B ²	SW846 7471B ⁴
Nickel	27.1	4.4	0.065	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Potassium	2820	550	6.4	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Selenium	0.16 U	1.1	0.16	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Silver	0.086 U	0.55	0.086	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Sodium	157 B	550	3.0	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Thallium	0.13 U	1.1	0.13	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Vanadium	19.0	1.1	0.13	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³
Zinc	46.5	2.2	0.27	mg/kg	1	06/27/12	06/28/12 EAL	SW846 6010C ¹	SW846 3050B ³

(1) Instrument QC Batch: MA14423

(2) Instrument QC Batch: MA14425

(3) Prep QC Batch: MP19228

(4) Prep QC Batch: MP19242

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SB06(13-15)-061912D	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-14	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	84.3
Project:	Blackhawk Drive - BA, Forest Park, IL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.14	0.14	mg/kg	1	06/28/12 13:30	MA	SW846 9012 M
Solids, Percent	84.3		%	1	06/22/12	HS	SM21 2540 B MOD.
pH	8.2		su	1	06/22/12	CF	SW846 9045

RL = Reporting Limit

Report of Analysis

Client Sample ID: BH-SB06(13-15)-061912D

Lab Sample ID: MC11638-14A

Matrix: SO - Soil

Date Sampled: 06/19/12

Date Received: 06/21/12

Percent Solids: 84.3

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0019 U	D004	5.0	0.010	0.0019	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Barium	0.29 B	D005	100	0.50	0.00065	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Cadmium	0.0030 B	D006	1.0	0.0040	0.00021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Chromium	0.0011 U	D007	5.0	0.010	0.0011	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Lead	0.0082 B	D008	5.0	0.010	0.0021	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Mercury	0.000062 U	D009	0.20	0.00020	0.000062	mg/l	1	06/27/12	06/28/12	EM SW846 7470A ¹
Selenium	0.013 B	D010	1.0	0.025	0.0020	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²
Silver	0.0013 U	D011	5.0	0.0050	0.0013	mg/l	1	06/26/12	06/27/12	EAL SW846 6010C ²

(1) Instrument QC Batch: MA14418

(2) Instrument QC Batch: MA14421

(3) Prep QC Batch: MP19224

(4) Prep QC Batch: MP19233

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261.6/96)

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	TB-01	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-15	Date Received:	06/21/12
Matrix:	SO - Trip Blank Methanol	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K60753.D	1	07/02/12	GK	n/a	n/a	MSK2036
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	250	250	ug/kg	
71-43-2	Benzene	ND	25	6.3	ug/kg	
75-27-4	Bromodichloromethane	ND	100	10	ug/kg	
75-25-2	Bromoform	ND	100	24	ug/kg	
74-83-9	Bromomethane	ND	100	34	ug/kg	
78-93-3	2-Butanone (MEK)	ND	250	59	ug/kg	
75-15-0	Carbon disulfide	ND	250	48	ug/kg	
56-23-5	Carbon tetrachloride	ND	100	11	ug/kg	
108-90-7	Chlorobenzene	ND	100	4.7	ug/kg	
75-00-3	Chloroethane	ND	250	13	ug/kg	
67-66-3	Chloroform	ND	100	7.4	ug/kg	
74-87-3	Chloromethane	ND	250	11	ug/kg	
124-48-1	Dibromochloromethane	ND	100	33	ug/kg	
75-34-3	1,1-Dichloroethane	ND	100	7.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	100	7.3	ug/kg	
75-35-4	1,1-Dichloroethene	ND	100	16	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	100	14	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	100	13	ug/kg	
78-87-5	1,2-Dichloropropane	ND	100	11	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	100	50	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	100	34	ug/kg	
100-41-4	Ethylbenzene	ND	100	6.5	ug/kg	
591-78-6	2-Hexanone	ND	250	52	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	250	42	ug/kg	
75-09-2	Methylene chloride	ND	100	18	ug/kg	
100-42-5	Styrene	ND	250	25	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	8.8	ug/kg	
127-18-4	Tetrachloroethene	ND	100	8.4	ug/kg	
108-88-3	Toluene	ND	250	9.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	100	9.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	100	13	ug/kg	
79-01-6	Trichloroethene	ND	100	9.8	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-01	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-15	Date Received:	06/21/12
Matrix:	SO - Trip Blank Methanol	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	100	32	ug/kg	
1330-20-7	Xylene (total)	ND	100	6.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	124%		70-130%
2037-26-5	Toluene-D8	110%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-01	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-15A	Date Received:	06/21/12
Matrix:	SO - Trip Blank Soil	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V9215.D	1	06/23/12	AMY	n/a	n/a	MSV386
Run #2							

	Initial Weight	Final Volume
Run #1	5.00 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	20.6	5.0	5.0	ug/kg	
71-43-2	Benzene	ND	0.50	0.13	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.21	ug/kg	
75-25-2	Bromoform	ND	2.0	0.47	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.68	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	1.2	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.97	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.22	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.094	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.26	ug/kg	
67-66-3	Chloroform	ND	2.0	0.15	ug/kg	
74-87-3	Chloromethane	ND	5.0	0.22	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.65	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.15	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.32	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.27	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.25	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.23	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	1.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.68	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.13	ug/kg	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	0.84	ug/kg	
75-09-2	Methylene chloride	ND	2.0	0.36	ug/kg	
100-42-5	Styrene	ND	5.0	0.50	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.18	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.17	ug/kg	
108-88-3	Toluene	ND	5.0	0.18	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.25	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.20	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-01	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-15A	Date Received:	06/21/12
Matrix:	SO - Trip Blank Soil	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.64	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		70-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-02	Date Sampled:	06/20/12
Lab Sample ID:	MC11638-16	Date Received:	06/21/12
Matrix:	SO - Trip Blank Methanol	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K60754.D	1	07/02/12	GK	n/a	n/a	MSK2036
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	250	250	ug/kg	
71-43-2	Benzene	ND	25	6.3	ug/kg	
75-27-4	Bromodichloromethane	ND	100	10	ug/kg	
75-25-2	Bromoform	ND	100	24	ug/kg	
74-83-9	Bromomethane	ND	100	34	ug/kg	
78-93-3	2-Butanone (MEK)	ND	250	59	ug/kg	
75-15-0	Carbon disulfide	ND	250	48	ug/kg	
56-23-5	Carbon tetrachloride	ND	100	11	ug/kg	
108-90-7	Chlorobenzene	ND	100	4.7	ug/kg	
75-00-3	Chloroethane	ND	250	13	ug/kg	
67-66-3	Chloroform	ND	100	7.4	ug/kg	
74-87-3	Chloromethane	ND	250	11	ug/kg	
124-48-1	Dibromochloromethane	ND	100	33	ug/kg	
75-34-3	1,1-Dichloroethane	ND	100	7.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	100	7.3	ug/kg	
75-35-4	1,1-Dichloroethene	ND	100	16	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	100	14	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	100	13	ug/kg	
78-87-5	1,2-Dichloropropane	ND	100	11	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	100	50	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	100	34	ug/kg	
100-41-4	Ethylbenzene	ND	100	6.5	ug/kg	
591-78-6	2-Hexanone	ND	250	52	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	250	42	ug/kg	
75-09-2	Methylene chloride	ND	100	18	ug/kg	
100-42-5	Styrene	ND	250	25	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	8.8	ug/kg	
127-18-4	Tetrachloroethene	ND	100	8.4	ug/kg	
108-88-3	Toluene	ND	250	9.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	100	9.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	100	13	ug/kg	
79-01-6	Trichloroethene	ND	100	9.8	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-02	Date Sampled:	06/20/12
Lab Sample ID:	MC11638-16	Date Received:	06/21/12
Matrix:	SO - Trip Blank Methanol	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	100	32	ug/kg	
1330-20-7	Xylene (total)	ND	100	6.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	127%		70-130%
2037-26-5	Toluene-D8	112%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-02	Date Sampled:	06/20/12
Lab Sample ID:	MC11638-16A	Date Received:	06/21/12
Matrix:	SO - Trip Blank Soil	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V9216.D	1	06/23/12	AMY	n/a	n/a	MSV386
Run #2							

	Initial Weight	Final Volume
Run #1	5.00 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	12.0	5.0	5.0	ug/kg	
71-43-2	Benzene	ND	0.50	0.13	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.21	ug/kg	
75-25-2	Bromoform	ND	2.0	0.47	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.68	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	1.2	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.97	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.22	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.094	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.26	ug/kg	
67-66-3	Chloroform	ND	2.0	0.15	ug/kg	
74-87-3	Chloromethane	ND	5.0	0.22	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.65	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.15	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.32	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.27	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.25	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.23	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	1.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.68	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.13	ug/kg	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	0.84	ug/kg	
75-09-2	Methylene chloride	ND	2.0	0.36	ug/kg	
100-42-5	Styrene	ND	5.0	0.50	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.18	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.17	ug/kg	
108-88-3	Toluene	ND	5.0	0.18	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.25	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.20	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-02	Date Sampled:	06/20/12
Lab Sample ID:	MC11638-16A	Date Received:	06/21/12
Matrix:	SO - Trip Blank Soil	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.64	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		70-130%
2037-26-5	Toluene-D8	101%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-IDW-062012	Date Sampled:	06/20/12
Lab Sample ID:	MC11638-17	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	81.6
Method:	SW846 8260B SW846 1311		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L64528.D	100	06/30/12	TT	06/25/12	GP14685	MSL3094
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCLP Leachate

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.050	0.024	mg/l	
78-93-3	2-Butanone (MEK)	ND	D035	200	0.50	0.24	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.10	0.087	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.10	0.047	mg/l	
67-66-3	Chloroform	ND	D022	6.0	0.10	0.050	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.10	0.064	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.10	0.063	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.10	0.041	mg/l	
127-18-4	Tetrachloroethene	ND	D039	0.70	0.10	0.042	mg/l	
79-01-6	Trichloroethene	ND	D040	0.50	0.10	0.078	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.10	0.063	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	83%		70-130%
2037-26-5	Toluene-D8	85%		70-130%
460-00-4	4-Bromofluorobenzene	91%		70-130%

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

MCL = Maximum Contamination Level (40 CFR 261 6/96)

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-IDW-062012	Date Sampled:	06/20/12
Lab Sample ID:	MC11638-17	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	81.6
Method:	SW846 8270C SW846 3510C		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I78970.D	1	06/28/12	NS	06/27/12	OP29418	MSI2929
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

ABN TCLP Leachate

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	D023	200	0.10	0.0060	mg/l	
	3&4-Methylphenol	ND	D024	200	0.10	0.0075	mg/l	
87-86-5	Pentachlorophenol	ND	D037	100	0.10	0.0064	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	D041	400	0.10	0.0049	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	D042	2.0	0.10	0.0035	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.050	0.0021	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	D030	0.13	0.10	0.020	mg/l	
118-74-1	Hexachlorobenzene	ND	D032	0.13	0.050	0.0050	mg/l	
87-68-3	Hexachlorobutadiene	ND	D033	0.50	0.050	0.0033	mg/l	
67-72-1	Hexachloroethane	ND	D034	3.0	0.050	0.020	mg/l	
98-95-3	Nitrobenzene	ND	D036	2.0	0.050	0.0024	mg/l	
110-86-1	Pyridine	ND	D038	5.0	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	89%		15-110%
4165-62-2	Phenol-d5	79%		15-110%
118-79-6	2,4,6-Tribromophenol	92%		15-110%
4165-60-0	Nitrobenzene-d5	97%		30-130%
321-60-8	2-Fluorobiphenyl	87%		30-130%
1718-51-0	Terphenyl-d14	100%		30-130%

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

MCL = Maximum Contamination Level (40 CFR 261 6/96)

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-IDW-062012

Lab Sample ID: MC11638-17

Matrix: SO - Soil

Date Sampled: 06/20/12

Date Received: 06/21/12

Percent Solids: 81.6

Project: Blackhawk Drive - BA, Forest Park, IL

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0019 U	D004	5.0	0.010	0.0019	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Barium	0.58	D005	100	0.50	0.00065	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Cadmium	0.0011 B	D006	1.0	0.0040	0.00021	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Chromium	0.0011 U	D007	5.0	0.010	0.0011	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Lead	0.0021 U	D008	5.0	0.010	0.0021	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Mercury	0.000062 U	D009	0.20	0.00020	0.000062	mg/l	1	06/27/12	06/28/12 EM	SW846 7470A ¹
Selenium	0.0068 B	D010	1.0	0.025	0.0020	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²
Silver	0.0013 U	D011	5.0	0.0050	0.0013	mg/l	1	06/26/12	06/27/12 EAL	SW846 6010C ²

(1) Instrument QC Batch: MA14418

(2) Instrument QC Batch: MA14421

(3) Prep QC Batch: MP19224

(4) Prep QC Batch: MP19233

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261.6/96)

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-IDW-062012	Date Sampled:	06/20/12
Lab Sample ID:	MC11638-17	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	81.6
Project:	Blackhawk Drive - BA, Forest Park, IL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.14	0.14	mg/kg	1	06/28/12 13:31	MA	SW846 9012 M
Ignitability (Flashpoint)	> 230		Deg. F	1	06/25/12	BF	SW846 1020
Solids, Percent	81.6		%	1	06/22/12	HS	SM21 2540 B MOD.
pH	8.1		su	1	06/22/12	CF	SW846 9045

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

[illegible]

MC11638: Chain of Custody

Page 1 of 3

[illegible]

MC11638: Chain of Custody

Page 2 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC11638

Client: WESTON SOLUTIONS

Immediate Client Services Action Required: Yes

Date / Time Received: 6/21/2012

Delivery Method:

Client Service Action Required at Login: No

Project: BLACKHAWK DR.

No. Coolers: 1

Airbill #'s:

Cooler Security

Y or N

Y or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. COC Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Cooler Temperature

Y or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Cooler temp verification: | Infrared gun | |
| 3. Cooler media: | Ice (bag) | |

Quality Control Preservation

Y or N

N/A

- | | | | |
|---------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Trip Blank listed on COC: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Samples preserved properly: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. VOCs headspace free: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Sample Integrity - Documentation

Y or N

- | | | |
|----------------------------------------|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

Y or N N/A

- | | | | |
|-------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 2. Bottles received for unspecified tests | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 3. Sufficient volume recvd for analysis: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. Compositing instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Comments no turn around time listed on coc.

GC/MS Volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Page 1 of 2

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSV386-MB	V9213.D	1	06/23/12	AMY	n/a	n/a	MSV386

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11638-15A, MC11638-16A

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	5.0	ug/kg	
71-43-2	Benzene	ND	0.50	0.13	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.21	ug/kg	
75-25-2	Bromoform	ND	2.0	0.47	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.68	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	1.2	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.97	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.22	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.094	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.26	ug/kg	
67-66-3	Chloroform	ND	2.0	0.15	ug/kg	
74-87-3	Chloromethane	ND	5.0	0.22	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.65	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.15	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.32	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.27	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.25	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.23	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	1.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.68	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.13	ug/kg	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	0.84	ug/kg	
75-09-2	Methylene chloride	ND	2.0	0.36	ug/kg	
100-42-5	Styrene	ND	5.0	0.50	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.18	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.17	ug/kg	
108-88-3	Toluene	ND	5.0	0.18	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.25	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.20	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.64	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.13	ug/kg	

Method Blank Summary

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSV386-MB	V9213.D	1	06/23/12	AMY	n/a	n/a	MSV386

The QC reported here applies to the following samples: Method: SW846 8260B

MC11638-15A, MC11638-16A

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	90% 70-130%
2037-26-5	Toluene-D8	103% 70-130%
460-00-4	4-Bromofluorobenzene	102% 70-130%

Method Blank Summary

Page 1 of 2

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM1644-MB	M49090.D	1	06/26/12	AMY	n/a	n/a	MSM1644

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11638-1, MC11638-3, MC11638-5, MC11638-6, MC11638-7, MC11638-8, MC11638-9, MC11638-11, MC11638-13, MC11638-14

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	5.0	ug/kg	
71-43-2	Benzene	ND	0.50	0.13	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.21	ug/kg	
75-25-2	Bromoform	ND	2.0	0.47	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.68	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	1.2	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.97	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.22	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.094	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.26	ug/kg	
67-66-3	Chloroform	ND	2.0	0.15	ug/kg	
74-87-3	Chloromethane	ND	5.0	0.22	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.65	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.15	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.32	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.27	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.25	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.23	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	1.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.68	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.13	ug/kg	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	0.84	ug/kg	
75-09-2	Methylene chloride	ND	2.0	0.36	ug/kg	
100-42-5	Styrene	ND	5.0	0.50	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.18	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.17	ug/kg	
108-88-3	Toluene	ND	5.0	0.18	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.25	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.20	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.64	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.13	ug/kg	

Method Blank Summary

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM1644-MB	M49090.D	1	06/26/12	AMY	n/a	n/a	MSM1644

The QC reported here applies to the following samples: Method: SW846 8260B

MC11638-1, MC11638-3, MC11638-5, MC11638-6, MC11638-7, MC11638-8, MC11638-9, MC11638-11, MC11638-13, MC11638-14

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	85% 70-130%
2037-26-5	Toluene-D8	83% 70-130%
460-00-4	4-Bromofluorobenzene	81% 70-130%

Method Blank Summary

Page 1 of 2

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM1645-MB	M49114.D	1	06/27/12	AMY	n/a	n/a	MSM1645

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11638-2, MC11638-4, MC11638-10, MC11638-12

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	5.0	ug/kg	
71-43-2	Benzene	ND	0.50	0.13	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.21	ug/kg	
75-25-2	Bromoform	ND	2.0	0.47	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.68	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	1.2	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.97	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.22	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.094	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.26	ug/kg	
67-66-3	Chloroform	ND	2.0	0.15	ug/kg	
74-87-3	Chloromethane	ND	5.0	0.22	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.65	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.15	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.32	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.27	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.25	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.23	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	1.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.68	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.13	ug/kg	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	0.84	ug/kg	
75-09-2	Methylene chloride	2.2	2.0	0.36	ug/kg	
100-42-5	Styrene	ND	5.0	0.50	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.18	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.17	ug/kg	
108-88-3	Toluene	ND	5.0	0.18	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.25	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.20	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.64	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.13	ug/kg	

Method Blank Summary

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM1645-MB	M49114.D	1	06/27/12	AMY	n/a	n/a	MSM1645

The QC reported here applies to the following samples: Method: SW846 8260B

MC11638-2, MC11638-4, MC11638-10, MC11638-12

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	82% 70-130%
2037-26-5	Toluene-D8	82% 70-130%
460-00-4	4-Bromofluorobenzene	80% 70-130%

Method Blank Summary

Page 1 of 1

Job Number: MC11638

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2034-MB	K60685.D	1	06/28/12	GK	n/a	n/a	MSK2034

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11638-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	250	250	ug/kg	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	109% 70-130%
2037-26-5	Toluene-D8	104% 70-130%
460-00-4	4-Bromofluorobenzene	98% 70-130%

Method Blank Summary

Page 1 of 1

Job Number: MC11638

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSL3094-MB	L64525.D	1	06/30/12	TT	n/a	n/a	MSL3094

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11638-17

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.24	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.87	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.47	ug/l	
67-66-3	Chloroform	ND	2.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.64	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.63	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	0.41	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.42	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.78	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.63	ug/l	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	93% 70-130%
2037-26-5	Toluene-D8	96% 70-130%
460-00-4	4-Bromofluorobenzene	105% 70-130%

Method Blank Summary

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Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2036-MB	K60752.D	1	07/02/12	GK	n/a	n/a	MSK2036

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11638-15, MC11638-16

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	250	250	ug/kg	
71-43-2	Benzene	ND	25	6.3	ug/kg	
75-27-4	Bromodichloromethane	ND	100	10	ug/kg	
75-25-2	Bromoform	ND	100	24	ug/kg	
74-83-9	Bromomethane	ND	100	34	ug/kg	
78-93-3	2-Butanone (MEK)	ND	250	59	ug/kg	
75-15-0	Carbon disulfide	ND	250	48	ug/kg	
56-23-5	Carbon tetrachloride	ND	100	11	ug/kg	
108-90-7	Chlorobenzene	ND	100	4.7	ug/kg	
75-00-3	Chloroethane	ND	250	13	ug/kg	
67-66-3	Chloroform	ND	100	7.4	ug/kg	
74-87-3	Chloromethane	ND	250	11	ug/kg	
124-48-1	Dibromochloromethane	ND	100	33	ug/kg	
75-34-3	1,1-Dichloroethane	ND	100	7.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	100	7.3	ug/kg	
75-35-4	1,1-Dichloroethene	ND	100	16	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	100	14	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	100	13	ug/kg	
78-87-5	1,2-Dichloropropane	ND	100	11	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	100	50	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	100	34	ug/kg	
100-41-4	Ethylbenzene	ND	100	6.5	ug/kg	
591-78-6	2-Hexanone	ND	250	52	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	250	42	ug/kg	
75-09-2	Methylene chloride	ND	100	18	ug/kg	
100-42-5	Styrene	ND	250	25	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	8.8	ug/kg	
127-18-4	Tetrachloroethene	ND	100	8.4	ug/kg	
108-88-3	Toluene	ND	250	9.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	100	9.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	100	13	ug/kg	
79-01-6	Trichloroethene	ND	100	9.8	ug/kg	
75-01-4	Vinyl chloride	ND	100	32	ug/kg	
1330-20-7	Xylene (total)	ND	100	6.3	ug/kg	

Method Blank Summary

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2036-MB	K60752.D	1	07/02/12	GK	n/a	n/a	MSK2036

The QC reported here applies to the following samples: Method: SW846 8260B
MC11638-15, MC11638-16

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	112% 70-130%
2037-26-5	Toluene-D8	100% 70-130%
460-00-4	4-Bromofluorobenzene	93% 70-130%

Leachate Blank Summary

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Job Number: MC11638

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GP14685-LB1	L64526.D	10	06/30/12	TT	06/25/12	GP14685	MSL3094

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11638-17

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	2.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	24	ug/l	
56-23-5	Carbon tetrachloride	ND	20	8.7	ug/l	
108-90-7	Chlorobenzene	ND	20	4.7	ug/l	
67-66-3	Chloroform	ND	20	5.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	20	6.4	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	6.3	ug/l	
75-35-4	1,1-Dichloroethene	ND	20	4.1	ug/l	
127-18-4	Tetrachloroethene	ND	20	4.2	ug/l	
79-01-6	Trichloroethene	ND	20	7.8	ug/l	
75-01-4	Vinyl chloride	ND	20	6.3	ug/l	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	76% 70-130%
2037-26-5	Toluene-D8	79% 70-130%
460-00-4	4-Bromofluorobenzene	94% 70-130%

Blank Spike Summary

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Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSV386-BS	V9212.D	1	06/23/12	AMY	n/a	n/a	MSV386

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11638-15A, MC11638-16A

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	66.3	133* a	70-130
71-43-2	Benzene	50	54.2	108	70-130
75-27-4	Bromodichloromethane	50	62.5	125	70-130
75-25-2	Bromoform	50	66.3	133* b	70-130
74-83-9	Bromomethane	50	49.9	100	70-130
78-93-3	2-Butanone (MEK)	50	70.8	142* b	70-130
75-15-0	Carbon disulfide	50	44.3	89	70-130
56-23-5	Carbon tetrachloride	50	60.8	122	70-130
108-90-7	Chlorobenzene	50	62.8	126	70-130
75-00-3	Chloroethane	50	49.6	99	70-130
67-66-3	Chloroform	50	57.0	114	70-130
74-87-3	Chloromethane	50	55.9	112	70-130
124-48-1	Dibromochloromethane	50	62.9	126	70-130
75-34-3	1,1-Dichloroethane	50	57.0	114	70-130
107-06-2	1,2-Dichloroethane	50	60.9	122	70-130
75-35-4	1,1-Dichloroethene	50	57.7	115	70-130
156-59-2	cis-1,2-Dichloroethene	50	55.8	112	70-130
156-60-5	trans-1,2-Dichloroethene	50	55.3	111	70-130
78-87-5	1,2-Dichloropropane	50	58.2	116	70-130
10061-01-5	cis-1,3-Dichloropropene	50	62.1	124	70-130
10061-02-6	trans-1,3-Dichloropropene	50	63.9	128	70-130
100-41-4	Ethylbenzene	50	58.5	117	70-130
591-78-6	2-Hexanone	50	97.0	194* b	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	87.0	174* b	70-130
75-09-2	Methylene chloride	50	55.4	111	70-130
100-42-5	Styrene	50	60.6	121	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	75.5	151* b	70-130
127-18-4	Tetrachloroethene	50	61.1	122	70-130
108-88-3	Toluene	50	55.0	110	70-130
71-55-6	1,1,1-Trichloroethane	50	59.5	119	70-130
79-00-5	1,1,2-Trichloroethane	50	65.2	130	70-130
79-01-6	Trichloroethene	50	57.8	116	70-130
75-01-4	Vinyl chloride	50	51.7	103	70-130
1330-20-7	Xylene (total)	150	185	123	70-130

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSV386-BS	V9212.D	1	06/23/12	AMY	n/a	n/a	MSV386

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11638-15A, MC11638-16A

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	95%	70-130%
2037-26-5	Toluene-D8	101%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%

- (a) Outside control limits. Blank Spike meets program technical requirements.
(b) Outside control limits. Associated samples are non-detect for this compound.

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM1644-BS	M49088.D	1	06/26/12	AMY	n/a	n/a	MSM1644

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11638-1, MC11638-3, MC11638-5, MC11638-6, MC11638-7, MC11638-8, MC11638-9, MC11638-11, MC11638-13, MC11638-14

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	54.6	109	70-130
71-43-2	Benzene	50	45.6	91	70-130
75-27-4	Bromodichloromethane	50	47.4	95	70-130
75-25-2	Bromoform	50	53.3	107	70-130
74-83-9	Bromomethane	50	50.9	102	70-130
78-93-3	2-Butanone (MEK)	50	63.8	128	70-130
75-15-0	Carbon disulfide	50	42.6	85	70-130
56-23-5	Carbon tetrachloride	50	45.6	91	70-130
108-90-7	Chlorobenzene	50	49.7	99	70-130
75-00-3	Chloroethane	50	49.4	99	70-130
67-66-3	Chloroform	50	46.9	94	70-130
74-87-3	Chloromethane	50	59.5	119	70-130
124-48-1	Dibromochloromethane	50	50.9	102	70-130
75-34-3	1,1-Dichloroethane	50	46.2	92	70-130
107-06-2	1,2-Dichloroethane	50	47.4	95	70-130
75-35-4	1,1-Dichloroethene	50	49.2	98	70-130
156-59-2	cis-1,2-Dichloroethene	50	47.1	94	70-130
156-60-5	trans-1,2-Dichloroethene	50	46.6	93	70-130
78-87-5	1,2-Dichloropropane	50	46.1	92	70-130
10061-01-5	cis-1,3-Dichloropropene	50	45.1	90	70-130
10061-02-6	trans-1,3-Dichloropropene	50	49.2	98	70-130
100-41-4	Ethylbenzene	50	45.0	90	70-130
591-78-6	2-Hexanone	50	60.2	120	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	61.3	123	70-130
75-09-2	Methylene chloride	50	50.1	100	70-130
100-42-5	Styrene	50	45.8	92	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	50.7	101	70-130
127-18-4	Tetrachloroethene	50	47.9	96	70-130
108-88-3	Toluene	50	45.3	91	70-130
71-55-6	1,1,1-Trichloroethane	50	46.1	92	70-130
79-00-5	1,1,2-Trichloroethane	50	49.7	99	70-130
79-01-6	Trichloroethene	50	44.9	90	70-130
75-01-4	Vinyl chloride	50	51.9	104	70-130
1330-20-7	Xylene (total)	150	145	97	70-130

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM1644-BS	M49088.D	1	06/26/12	AMY	n/a	n/a	MSM1644

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11638-1, MC11638-3, MC11638-5, MC11638-6, MC11638-7, MC11638-8, MC11638-9, MC11638-11, MC11638-13, MC11638-14

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	86%	70-130%
2037-26-5	Toluene-D8	82%	70-130%
460-00-4	4-Bromofluorobenzene	79%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM1645-BS	M49112.D	1	06/27/12	AMY	n/a	n/a	MSM1645

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11638-2, MC11638-4, MC11638-10, MC11638-12

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	56.4	113	70-130
71-43-2	Benzene	50	48.7	97	70-130
75-27-4	Bromodichloromethane	50	51.1	102	70-130
75-25-2	Bromoform	50	60.8	122	70-130
74-83-9	Bromomethane	50	51.8	104	70-130
78-93-3	2-Butanone (MEK)	50	66.8	134* a	70-130
75-15-0	Carbon disulfide	50	45.1	90	70-130
56-23-5	Carbon tetrachloride	50	49.8	100	70-130
108-90-7	Chlorobenzene	50	55.0	110	70-130
75-00-3	Chloroethane	50	50.4	101	70-130
67-66-3	Chloroform	50	49.5	99	70-130
74-87-3	Chloromethane	50	58.8	118	70-130
124-48-1	Dibromochloromethane	50	58.5	117	70-130
75-34-3	1,1-Dichloroethane	50	48.4	97	70-130
107-06-2	1,2-Dichloroethane	50	50.4	101	70-130
75-35-4	1,1-Dichloroethene	50	52.0	104	70-130
156-59-2	cis-1,2-Dichloroethene	50	50.1	100	70-130
156-60-5	trans-1,2-Dichloroethene	50	50.0	100	70-130
78-87-5	1,2-Dichloropropane	50	48.8	98	70-130
10061-01-5	cis-1,3-Dichloropropene	50	48.3	97	70-130
10061-02-6	trans-1,3-Dichloropropene	50	52.8	106	70-130
100-41-4	Ethylbenzene	50	49.9	100	70-130
591-78-6	2-Hexanone	50	67.1	134* a	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	65.5	131* a	70-130
75-09-2	Methylene chloride	50	53.0	106	70-130
100-42-5	Styrene	50	50.7	101	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	54.8	110	70-130
127-18-4	Tetrachloroethene	50	52.1	104	70-130
108-88-3	Toluene	50	49.2	98	70-130
71-55-6	1,1,1-Trichloroethane	50	48.4	97	70-130
79-00-5	1,1,2-Trichloroethane	50	55.4	111	70-130
79-01-6	Trichloroethene	50	49.4	99	70-130
75-01-4	Vinyl chloride	50	51.7	103	70-130
1330-20-7	Xylene (total)	150	160	107	70-130

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM1645-BS	M49112.D	1	06/27/12	AMY	n/a	n/a	MSM1645

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11638-2, MC11638-4, MC11638-10, MC11638-12

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	85%	70-130%
2037-26-5	Toluene-D8	84%	70-130%
460-00-4	4-Bromofluorobenzene	80%	70-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: MC11638

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSL3094-BS	L64523.D	1	06/30/12	TT	n/a	n/a	MSL3094

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11638-17

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	51.8	104	70-130
78-93-3	2-Butanone (MEK)	50	47.2	94	70-130
56-23-5	Carbon tetrachloride	50	50.1	100	70-130
108-90-7	Chlorobenzene	50	55.3	111	70-130
67-66-3	Chloroform	50	50.0	100	70-130
106-46-7	1,4-Dichlorobenzene	50	50.2	100	70-130
107-06-2	1,2-Dichloroethane	50	52.3	105	70-130
75-35-4	1,1-Dichloroethene	50	53.4	107	70-130
127-18-4	Tetrachloroethene	50	51.1	102	70-130
79-01-6	Trichloroethene	50	51.5	103	70-130
75-01-4	Vinyl chloride	50	59.1	118	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	89%	70-130%
2037-26-5	Toluene-D8	92%	70-130%
460-00-4	4-Bromofluorobenzene	95%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

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Job Number: MC11638

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2034-BS	K60683.D	1	06/28/12	GK	n/a	n/a	MSK2034
MSK2034-BSD	K60684.D	1	06/28/12	GK	n/a	n/a	MSK2034

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11638-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	2500	2160	86	2560	102	17	70-130/25

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	105%	109%	70-130%
2037-26-5	Toluene-D8	108%	111%	70-130%
460-00-4	4-Bromofluorobenzene	102%	104%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Page 1 of 2

Job Number: MC11638

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2036-BS	K60750.D	1	07/02/12	GK	n/a	n/a	MSK2036
MSK2036-BSD	K60751.D	1	07/02/12	GK	n/a	n/a	MSK2036

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11638-15, MC11638-16

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	2500	2410	96	2100	84	14	70-130/25
71-43-2	Benzene	2500	2600	104	2580	103	1	70-130/25
75-27-4	Bromodichloromethane	2500	2680	107	2630	105	2	70-130/25
75-25-2	Bromoform	2500	2570	103	2590	104	1	70-130/25
74-83-9	Bromomethane	2500	3230	129	3260	130	1	70-130/25
78-93-3	2-Butanone (MEK)	2500	2440	98	2420	97	1	70-130/25
75-15-0	Carbon disulfide	2500	2630	105	2580	103	2	70-130/25
56-23-5	Carbon tetrachloride	2500	2610	104	2590	104	1	70-130/25
108-90-7	Chlorobenzene	2500	2890	116	2860	114	1	70-130/25
75-00-3	Chloroethane	2500	3180	127	3060	122	4	70-130/25
67-66-3	Chloroform	2500	2790	112	2780	111	0	70-130/25
74-87-3	Chloromethane	2500	3930	157* a	3940	158* a	0	70-130/25
124-48-1	Dibromochloromethane	2500	2740	110	2780	111	1	70-130/25
75-34-3	1,1-Dichloroethane	2500	2830	113	2820	113	0	70-130/25
107-06-2	1,2-Dichloroethane	2500	2640	106	2620	105	1	70-130/25
75-35-4	1,1-Dichloroethene	2500	3130	125	3070	123	2	70-130/25
156-59-2	cis-1,2-Dichloroethene	2500	2840	114	2780	111	2	70-130/25
156-60-5	trans-1,2-Dichloroethene	2500	2910	116	2800	112	4	70-130/25
78-87-5	1,2-Dichloropropane	2500	2690	108	2680	107	0	70-130/25
10061-01-5	cis-1,3-Dichloropropene	2500	2600	104	2620	105	1	70-130/25
10061-02-6	trans-1,3-Dichloropropene	2500	2820	113	2830	113	0	70-130/25
100-41-4	Ethylbenzene	2500	2660	106	2640	106	1	70-130/25
591-78-6	2-Hexanone	2500	2350	94	2360	94	0	70-130/25
108-10-1	4-Methyl-2-pentanone (MIBK)	2500	2530	101	2490	100	2	70-130/25
75-09-2	Methylene chloride	2500	2920	117	2890	116	1	70-130/25
100-42-5	Styrene	2500	2780	111	2760	110	1	70-130/25
79-34-5	1,1,2,2-Tetrachloroethane	2500	2400	96	2420	97	1	70-130/25
127-18-4	Tetrachloroethene	2500	2730	109	2700	108	1	70-130/25
108-88-3	Toluene	2500	2690	108	2680	107	0	70-130/25
71-55-6	1,1,1-Trichloroethane	2500	2770	111	2770	111	0	70-130/25
79-00-5	1,1,2-Trichloroethane	2500	2640	106	2570	103	3	70-130/25
79-01-6	Trichloroethene	2500	2660	106	2610	104	2	70-130/25
75-01-4	Vinyl chloride	2500	2890	116	2870	115	1	70-130/25
1330-20-7	Xylene (total)	7500	8590	115	8450	113	2	70-130/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

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Job Number: MC11638

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2036-BS	K60750.D	1	07/02/12	GK	n/a	n/a	MSK2036
MSK2036-BSD	K60751.D	1	07/02/12	GK	n/a	n/a	MSK2036

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11638-15, MC11638-16

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	109%	104%	70-130%
2037-26-5	Toluene-D8	103%	99%	70-130%
460-00-4	4-Bromofluorobenzene	95%	92%	70-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 2

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC11607-1MS	V9230.D	1	06/23/12	AMY	n/a	n/a	MSV386
MC11607-1MSD	V9231.D	1	06/23/12	AMY	n/a	n/a	MSV386
MC11607-1	V9217.D	1	06/23/12	AMY	n/a	n/a	MSV386

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11638-15A, MC11638-16A

CAS No.	Compound	MC11607-1 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	41.5	65.4	95.5	83	63.1	36* a	41* b	70-130/30
71-43-2	Benzene	ND	65.4	56.3	86	61.6	104	9	70-130/30
75-27-4	Bromodichloromethane	ND	65.4	61.7	94	64.8	109	5	70-130/30
75-25-2	Bromoforn	ND	65.4	68.9	105	62.4	105	10	70-130/30
74-83-9	Bromomethane	ND	65.4	66.2	101	73.6	124	11	70-130/30
78-93-3	2-Butanone (MEK)	ND	65.4	82.8	127	66.4	112	22	70-130/30
75-15-0	Carbon disulfide	ND	65.4	52.3	80	60.9	103	15	70-130/30
56-23-5	Carbon tetrachloride	ND	65.4	57.8	88	69.8	118	19	70-130/30
108-90-7	Chlorobenzene	ND	65.4	59.2	91	63.9	108	8	70-130/30
75-00-3	Chloroethane	ND	65.4	62.5	96	69.6	118	11	70-130/30
67-66-3	Chloroform	ND	65.4	57.7	88	61.9	105	7	70-130/30
74-87-3	Chloromethane	ND	65.4	88.8	136* a	101	171* a	13	70-130/30
124-48-1	Dibromochloromethane	ND	65.4	64.0	98	61.8	104	3	70-130/30
75-34-3	1,1-Dichloroethane	ND	65.4	58.9	90	64.6	109	9	70-130/30
107-06-2	1,2-Dichloroethane	ND	65.4	65.4	100	63.2	107	3	70-130/30
75-35-4	1,1-Dichloroethene	ND	65.4	61.3	94	69.6	118	13	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND	65.4	56.1	86	60.8	103	8	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND	65.4	56.9	87	64.3	109	12	70-130/30
78-87-5	1,2-Dichloropropane	ND	65.4	58.4	89	62.6	106	7	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND	65.4	57.8	88	60.1	102	4	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND	65.4	62.0	95	59.9	101	3	70-130/30
100-41-4	Ethylbenzene	ND	65.4	53.7	82	61.7	104	14	70-130/30
591-78-6	2-Hexanone	ND	65.4	107	164* c	81.8	138* c	27	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	65.4	95.8	147* c	73.9	125	26	70-130/30
75-09-2	Methylene chloride	ND	65.4	62.3	95	63.4	107	2	70-130/30
100-42-5	Styrene	ND	65.4	36.9	56* a	41.1	69* a	11	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND	65.4	79.2	121	69.9	118	12	70-130/30
127-18-4	Tetrachloroethene	ND	65.4	55.8	85	65.4	110	16	70-130/30
108-88-3	Toluene	ND	65.4	52.6	80	58.8	99	11	70-130/30
71-55-6	1,1,1-Trichloroethane	ND	65.4	58.1	89	67.3	114	15	70-130/30
79-00-5	1,1,2-Trichloroethane	ND	65.4	66.4	102	63.0	106	5	70-130/30
79-01-6	Trichloroethene	ND	65.4	55.3	85	62.1	105	12	70-130/30
75-01-4	Vinyl chloride	ND	65.4	71.3	109	80.8	137* a	12	70-130/30
1330-20-7	Xylene (total)	ND	196	171	87	193	109	12	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: MC11638

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC11607-1MS	V9230.D	1	06/23/12	AMY	n/a	n/a	MSV386
MC11607-1MSD	V9231.D	1	06/23/12	AMY	n/a	n/a	MSV386
MC11607-1	V9217.D	1	06/23/12	AMY	n/a	n/a	MSV386

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11638-15A, MC11638-16A

CAS No.	Surrogate Recoveries	MS	MSD	MC11607-1	Limits
1868-53-7	Dibromofluoromethane	91%	90%	90%	70-130%
2037-26-5	Toluene-D8	101%	101%	99%	70-130%
460-00-4	4-Bromofluorobenzene	100%	100%	98%	70-130%

- (a) Outside control limits due to possible matrix interference. Refer to Blank Spike.
- (b) High RPD due to possible matrix interference and/or sample non-homogeneity.
- (c) Outside control limits. Associated samples are non-detect for this compound.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 2

Job Number: MC11638

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC11638-8MS	M49094.D	1	06/26/12	AMY	n/a	n/a	MSM1644
MC11638-8MSD	M49095.D	1	06/26/12	AMY	n/a	n/a	MSM1644
MC11638-8	M49093.D	1	06/26/12	AMY	n/a	n/a	MSM1644

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11638-1, MC11638-3, MC11638-5, MC11638-6, MC11638-7, MC11638-8, MC11638-9, MC11638-11, MC11638-13, MC11638-14

CAS No.	Compound	MC11638-8 ug/kg	Spike Q	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	15.0	32.8	89.3	227* a	100	199* a	11	70-130/30
71-43-2	Benzene	ND	32.8	23.4	71	37.9	89	47* b	70-130/30
75-27-4	Bromodichloromethane	ND	32.8	21.6	66* a	38.8	91	57* b	70-130/30
75-25-2	Bromoform	ND	32.8	18.7	57* a	38.5	90	69* b	70-130/30
74-83-9	Bromomethane	ND	32.8	29.3	89	42.1	98	36* b	70-130/30
78-93-3	2-Butanone (MEK)	ND	32.8	56.5	172* a	59.4	139* a	5	70-130/30
75-15-0	Carbon disulfide	ND	32.8	20.6	63* a	34.9	82	52* b	70-130/30
56-23-5	Carbon tetrachloride	ND	32.8	26.5	81	38.5	90	37* b	70-130/30
108-90-7	Chlorobenzene	ND	32.8	20.0	61* a	40.0	93	67* b	70-130/30
75-00-3	Chloroethane	ND	32.8	27.1	83	40.4	94	39* b	70-130/30
67-66-3	Chloroform	ND	32.8	23.6	72	38.9	91	49* b	70-130/30
74-87-3	Chloromethane	ND	32.8	37.4	114	51.7	121	32* b	70-130/30
124-48-1	Dibromochloromethane	ND	32.8	21.2	65* a	40.6	95	63* b	70-130/30
75-34-3	1,1-Dichloroethane	ND	32.8	23.8	73	38.2	89	46* b	70-130/30
107-06-2	1,2-Dichloroethane	ND	32.8	21.3	65* a	37.2	87	54* b	70-130/30
75-35-4	1,1-Dichloroethene	ND	32.8	25.2	77	41.2	96	48* b	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND	32.8	22.3	68* a	38.6	90	54* b	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND	32.8	22.8	70	39.5	92	54* b	70-130/30
78-87-5	1,2-Dichloropropane	ND	32.8	23.2	71	37.8	88	48* b	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND	32.8	17.6	54* a	35.4	83	67* b	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND	32.8	16.3	50* a	37.0	86	78* b	70-130/30
100-41-4	Ethylbenzene	ND	32.8	20.9	64* a	37.4	87	57* b	70-130/30
591-78-6	2-Hexanone	ND	32.8	40.2	123	48.3	113	18	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	32.8	26.9	82	39.0	91	37* b	70-130/30
75-09-2	Methylene chloride	ND	32.8	25.4	78	39.0	91	42* b	70-130/30
100-42-5	Styrene	ND	32.8	16.4	50* a	35.0	82	72* b	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND	32.8	23.3	71	35.5	83	41* b	70-130/30
127-18-4	Tetrachloroethene	ND	32.8	23.9	73	39.8	93	50* b	70-130/30
108-88-3	Toluene	ND	32.8	21.2	65* a	37.9	89	57* b	70-130/30
71-55-6	1,1,1-Trichloroethane	ND	32.8	26.0	79	38.4	90	39* b	70-130/30
79-00-5	1,1,2-Trichloroethane	ND	32.8	20.5	63* a	38.5	90	61* b	70-130/30
79-01-6	Trichloroethene	ND	32.8	20.9	64* a	38.2	89	59* b	70-130/30
75-01-4	Vinyl chloride	ND	32.8	29.6	90	43.4	101	38* b	70-130/30
1330-20-7	Xylene (total)	ND	98.3	67.9	69* a	119	93	55* b	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 2 of 2

Job Number: MC11638

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC11638-8MS	M49094.D	1	06/26/12	AMY	n/a	n/a	MSM1644
MC11638-8MSD	M49095.D	1	06/26/12	AMY	n/a	n/a	MSM1644
MC11638-8	M49093.D	1	06/26/12	AMY	n/a	n/a	MSM1644

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11638-1, MC11638-3, MC11638-5, MC11638-6, MC11638-7, MC11638-8, MC11638-9, MC11638-11, MC11638-13, MC11638-14

CAS No.	Surrogate Recoveries	MS	MSD	MC11638-8	Limits
1868-53-7	Dibromofluoromethane	81%	85%	84%	70-130%
2037-26-5	Toluene-D8	81%	82%	83%	70-130%
460-00-4	4-Bromofluorobenzene	89%	80%	87%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

(b) High RPD due to possible matrix interference and/or sample non-homogeneity.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 2

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC11638-2MS	M49123.D	1	06/27/12	AMY	n/a	n/a	MSM1645
MC11638-2MSD	M49124.D	1	06/27/12	AMY	n/a	n/a	MSM1645
MC11638-2	M49116.D	1	06/27/12	AMY	n/a	n/a	MSM1645

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11638-2, MC11638-4, MC11638-10, MC11638-12

CAS No.	Compound	MC11638-2 ug/kg	Spike Q	ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	11.1		70.5	157	207* a	139	199* a	12	70-130/30
71-43-2	Benzene	ND		70.5	71.2	101	58.4	91	20	70-130/30
75-27-4	Bromodichloromethane	ND		70.5	67.2	95	52.2	81	25	70-130/30
75-25-2	Bromoform	ND		70.5	67.3	95	46.2	72	37* b	70-130/30
74-83-9	Bromomethane	ND		70.5	79.6	113	69.3	108	14	70-130/30
78-93-3	2-Butanone (MEK)	ND		70.5	116	165* a	94.8	147* a	20	70-130/30
75-15-0	Carbon disulfide	ND		70.5	66.8	95	54.4	84	20	70-130/30
56-23-5	Carbon tetrachloride	ND		70.5	74.2	105	61.2	95	19	70-130/30
108-90-7	Chlorobenzene	ND		70.5	83.6	119	58.3	90	36* b	70-130/30
75-00-3	Chloroethane	ND		70.5	75.9	108	65.9	102	14	70-130/30
67-66-3	Chloroform	ND		70.5	71.6	102	57.2	89	22	70-130/30
74-87-3	Chloromethane	ND		70.5	96.5	137* a	84.4	131* a	13	70-130/30
124-48-1	Dibromochloromethane	ND		70.5	79.3	113	54.2	84	38* b	70-130/30
75-34-3	1,1-Dichloroethane	ND		70.5	71.5	101	59.1	92	19	70-130/30
107-06-2	1,2-Dichloroethane	ND		70.5	62.1	88	50.2	78	21	70-130/30
75-35-4	1,1-Dichloroethene	ND		70.5	76.9	109	63.2	98	20	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		70.5	71.1	101	56.8	88	22	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		70.5	72.9	103	61.1	95	18	70-130/30
78-87-5	1,2-Dichloropropane	ND		70.5	68.7	97	56.2	87	20	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		70.5	60.3	86	45.3	70	28	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		70.5	57.8	82	42.5	66* a	31* b	70-130/30
100-41-4	Ethylbenzene	ND		70.5	81.9	116	59.6	93	32* b	70-130/30
591-78-6	2-Hexanone	ND		70.5	114	162* a	81.0	126	34* b	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		70.5	60.5	86	50.1	78	19	70-130/30
75-09-2	Methylene chloride	ND		70.5	74.5	106	61.1	95	20	70-130/30
100-42-5	Styrene	ND		70.5	71.5	101	48.9	76	38* b	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		70.5	78.9	112	57.3	89	32* b	70-130/30
127-18-4	Tetrachloroethene	ND		70.5	90.8	129	67.5	105	29	70-130/30
108-88-3	Toluene	ND		70.5	69.4	98	54.3	84	24	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		70.5	73.0	104	61.8	96	17	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		70.5	62.1	88	48.9	76	24	70-130/30
79-01-6	Trichloroethene	ND		70.5	67.0	95	55.1	86	19	70-130/30
75-01-4	Vinyl chloride	ND		70.5	81.1	115	70.6	110	14	70-130/30
1330-20-7	Xylene (total)	ND		211	262	124	188	97	33* b	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: MC11638

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC11638-2MS	M49123.D	1	06/27/12	AMY	n/a	n/a	MSM1645
MC11638-2MSD	M49124.D	1	06/27/12	AMY	n/a	n/a	MSM1645
MC11638-2	M49116.D	1	06/27/12	AMY	n/a	n/a	MSM1645

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11638-2, MC11638-4, MC11638-10, MC11638-12

CAS No.	Surrogate Recoveries	MS	MSD	MC11638-2	Limits
1868-53-7	Dibromofluoromethane	79%	81%	83%	70-130%
2037-26-5	Toluene-D8	78%	80%	82%	70-130%
460-00-4	4-Bromofluorobenzene	93%	92%	80%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

(b) High RPD due to possible matrix interference and/or sample non-homogeneity.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: MC11638

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC11742-2MS	K60706.D	1	06/28/12	GK	n/a	n/a	MSK2034
MC11742-2MSD	K60707.D	1	06/28/12	GK	n/a	n/a	MSK2034
MC11742-2	K60694.D	1	06/28/12	GK	n/a	n/a	MSK2034

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11638-3

CAS No.	Compound	MC11742-2 ug/kg	Spike Q	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND	2970	1980	67* a	1550	52* a	24	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC11742-2	Limits
1868-53-7	Dibromofluoromethane	115%	102%	118%	70-130%
2037-26-5	Toluene-D8	110%	100%	111%	70-130%
460-00-4	4-Bromofluorobenzene	101%	92%	104%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 2

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC11863-4MS	K60770.D	1	07/02/12	GK	n/a	n/a	MSK2036
MC11863-4MSD	K60771.D	1	07/02/12	GK	n/a	n/a	MSK2036
MC11863-4	K60769.D	1	07/02/12	GK	n/a	n/a	MSK2036

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11638-15, MC11638-16

CAS No.	Compound	MC11863-4 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND	3280	4810	147* a	4400	134* a	9	70-130/30
71-43-2	Benzene	ND	3280	3950	120	3690	112	7	70-130/30
75-27-4	Bromodichloromethane	ND	3280	3880	118	3570	109	8	70-130/30
75-25-2	Bromoform	ND	3280	3570	109	3520	107	1	70-130/30
74-83-9	Bromomethane	ND	3280	5070	155* a	4570	139* a	10	70-130/30
78-93-3	2-Butanone (MEK)	ND	3280	4070	124	3730	114	9	70-130/30
75-15-0	Carbon disulfide	ND	3280	3950	120	3640	111	8	70-130/30
56-23-5	Carbon tetrachloride	ND	3280	3950	120	3570	109	10	70-130/30
108-90-7	Chlorobenzene	ND	3280	4110	125	3850	117	7	70-130/30
75-00-3	Chloroethane	ND	3280	5000	152* a	4470	136* a	11	70-130/30
67-66-3	Chloroform	ND	3280	4270	130	3820	116	11	70-130/30
74-87-3	Chloromethane	ND	3280	5930	181* a	5340	163* a	10	70-130/30
124-48-1	Dibromochloromethane	ND	3280	3840	117	3640	111	5	70-130/30
75-34-3	1,1-Dichloroethane	ND	3280	4330	132* a	3960	121	9	70-130/30
107-06-2	1,2-Dichloroethane	ND	3280	3820	116	3500	107	9	70-130/30
75-35-4	1,1-Dichloroethene	ND	3280	4770	145* a	4310	131* a	10	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND	3280	4160	127	3880	118	7	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND	3280	4370	133* a	4010	122	9	70-130/30
78-87-5	1,2-Dichloropropane	ND	3280	4020	123	3660	112	9	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND	3280	3770	115	3540	108	6	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND	3280	4050	123	3790	116	7	70-130/30
100-41-4	Ethylbenzene	ND	3280	3910	119	3630	111	7	70-130/30
591-78-6	2-Hexanone	ND	3280	3620	110	3590	109	1	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	3280	3700	113	3770	115	2	70-130/30
75-09-2	Methylene chloride	ND	3280	4410	134* a	4070	124	8	70-130/30
100-42-5	Styrene	ND	3280	3990	122	3760	115	6	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND	3280	3400	104	3300	101	3	70-130/30
127-18-4	Tetrachloroethene	ND	3280	4010	122	3700	113	8	70-130/30
108-88-3	Toluene	ND	3280	4030	123	3730	114	8	70-130/30
71-55-6	1,1,1-Trichloroethane	ND	3280	4220	129	3820	116	10	70-130/30
79-00-5	1,1,2-Trichloroethane	ND	3280	3970	121	3780	115	5	70-130/30
79-01-6	Trichloroethene	ND	3280	4020	123	3730	114	7	70-130/30
75-01-4	Vinyl chloride	ND	3280	4750	145* a	4030	123	16	70-130/30
1330-20-7	Xylene (total)	ND	9840	12400	126	11500	117	8	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 2 of 2

Job Number: MC11638

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC11863-4MS	K60770.D	1	07/02/12	GK	n/a	n/a	MSK2036
MC11863-4MSD	K60771.D	1	07/02/12	GK	n/a	n/a	MSK2036
MC11863-4	K60769.D	1	07/02/12	GK	n/a	n/a	MSK2036

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11638-15, MC11638-16

CAS No.	Surrogate Recoveries	MS	MSD	MC11863-4	Limits
1868-53-7	Dibromofluoromethane	123%	113%	133% * b	70-130%
2037-26-5	Toluene-D8	118%	107%	116%	70-130%
460-00-4	4-Bromofluorobenzene	106%	100%	108%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

(b) Outside control limits. Associated target analytes are non-detect.

* = Outside of Control Limits.

Leachate Spike Summary

Page 1 of 1

Job Number: MC11638

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GP14685-LS1	L64532.D	100	06/30/12	TT	06/25/12	GP14685	MSL3094
MC11638-17	L64528.D	100	06/30/12	TT	06/25/12	GP14685	MSL3094

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11638-17

CAS No.	Compound	MC11638-17 Spike ug/l	Q	ug/l	LS ug/l	LS %	Limits
71-43-2	Benzene	ND		5000	5190	104	70-130
78-93-3	2-Butanone (MEK)	ND		5000	4650	93	70-130
56-23-5	Carbon tetrachloride	ND		5000	4920	98	70-130
108-90-7	Chlorobenzene	ND		5000	5360	107	70-130
67-66-3	Chloroform	ND		5000	5040	101	70-130
106-46-7	1,4-Dichlorobenzene	ND		5000	4790	96	70-130
107-06-2	1,2-Dichloroethane	ND		5000	5240	105	70-130
75-35-4	1,1-Dichloroethene	ND		5000	5200	104	70-130
127-18-4	Tetrachloroethene	ND		5000	4930	99	70-130
79-01-6	Trichloroethene	ND		5000	5210	104	70-130
75-01-4	Vinyl chloride	ND		5000	5940	119	70-130

CAS No.	Surrogate Recoveries	LS	MC11638-17 Limits
1868-53-7	Dibromofluoromethane	87%	83% 70-130%
2037-26-5	Toluene-D8	89%	85% 70-130%
460-00-4	4-Bromofluorobenzene	92%	91% 70-130%

* = Outside of Control Limits.

Volatile Surrogate Recovery Summary

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Method: SW846 8260B	Matrix: LEACHATE
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC11638-17	L64528.D	83.0	85.0	91.0
GP14685-LB1	L64526.D	76.0	79.0	94.0
GP14685-LS1	L64532.D	87.0	89.0	92.0
MSL3094-BS	L64523.D	89.0	92.0	95.0
MSL3094-MB	L64525.D	93.0	96.0	105.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

Volatile Surrogate Recovery Summary

Page 1 of 2

Job Number: MC11638

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Method: SW846 8260B

Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC11638-1	M49092.D	87.0	84.0	84.0
MC11638-2	M49116.D	83.0	82.0	80.0
MC11638-3	K60687.D	118.0	111.0	104.0
MC11638-3	M49097.D	82.0	81.0	94.0
MC11638-4	M49117.D	81.0	82.0	80.0
MC11638-5	M49099.D	85.0	85.0	83.0
MC11638-6	M49100.D	85.0	86.0	87.0
MC11638-7	M49101.D	87.0	84.0	81.0
MC11638-8	M49093.D	84.0	83.0	87.0
MC11638-9	M49102.D	83.0	84.0	81.0
MC11638-10	M49118.D	83.0	85.0	81.0
MC11638-11	M49104.D	82.0	82.0	82.0
MC11638-12	M49119.D	83.0	83.0	79.0
MC11638-13	M49106.D	87.0	84.0	85.0
MC11638-14	M49107.D	83.0	82.0	82.0
MC11638-15	K60753.D	124.0	110.0	101.0
MC11638-16	K60754.D	127.0	112.0	104.0
MC11638-15A	V9215.D	90.0	100.0	104.0
MC11638-16A	V9216.D	90.0	101.0	99.0
MC11607-1MS	V9230.D	91.0	101.0	100.0
MC11607-1MSD	V9231.D	90.0	101.0	100.0
MC11638-2MS	M49123.D	79.0	78.0	93.0
MC11638-2MSD	M49124.D	81.0	80.0	92.0
MC11638-8MS	M49094.D	81.0	81.0	89.0
MC11638-8MSD	M49095.D	85.0	82.0	80.0
MC11742-2MS	K60706.D	115.0	110.0	101.0
MC11742-2MSD	K60707.D	102.0	100.0	92.0
MC11863-4MS	K60770.D	123.0	118.0	106.0
MC11863-4MSD	K60771.D	113.0	107.0	100.0
MSK2034-BS	K60683.D	105.0	108.0	102.0
MSK2034-BSD	K60684.D	109.0	111.0	104.0
MSK2034-MB	K60685.D	109.0	104.0	98.0
MSK2036-BS	K60750.D	109.0	103.0	95.0
MSK2036-BSD	K60751.D	104.0	99.0	92.0
MSK2036-MB	K60752.D	112.0	100.0	93.0
MSM1644-BS	M49088.D	86.0	82.0	79.0
MSM1644-MB	M49090.D	85.0	83.0	81.0
MSM1645-BS	M49112.D	85.0	84.0	80.0
MSM1645-MB	M49114.D	82.0	82.0	80.0
MSV386-BS	V9212.D	95.0	101.0	98.0

5.7.2

5

Volatile Surrogate Recovery Summary

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Method: SW846 8260B	Matrix: SO
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MSV386-MB	V9213.D	90.0	103.0	102.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

5.7.2
 5

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

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Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29365-MB	I78883.D	1	06/25/12	NS	06/25/12	OP29365	MSI2926

The QC reported here applies to the following samples:

Method: SW846 8270C

MC11638-1, MC11638-2, MC11638-3, MC11638-4, MC11638-5, MC11638-6, MC11638-7, MC11638-8, MC11638-9, MC11638-10, MC11638-11, MC11638-12, MC11638-13, MC11638-14

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	250	13	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	490	17	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	490	29	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	490	49	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	990	250	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	490	250	ug/kg	
95-48-7	2-Methylphenol	ND	490	14	ug/kg	
	3&4-Methylphenol	ND	490	26	ug/kg	
88-75-5	2-Nitrophenol	ND	490	30	ug/kg	
100-02-7	4-Nitrophenol	ND	990	250	ug/kg	
87-86-5	Pentachlorophenol	ND	490	46	ug/kg	
108-95-2	Phenol	ND	250	41	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	490	37	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	490	34	ug/kg	
83-32-9	Acenaphthene	ND	99	21	ug/kg	
208-96-8	Acenaphthylene	ND	99	19	ug/kg	
120-12-7	Anthracene	ND	99	19	ug/kg	
56-55-3	Benzo(a)anthracene	ND	99	9.1	ug/kg	
50-32-8	Benzo(a)pyrene	ND	99	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	99	29	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	99	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	99	7.3	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	250	20	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	250	11	ug/kg	
91-58-7	2-Chloronaphthalene	ND	250	21	ug/kg	
106-47-8	4-Chloroaniline	ND	490	120	ug/kg	
86-74-8	Carbazole	ND	99	19	ug/kg	
218-01-9	Chrysene	ND	99	8.0	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	250	19	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	250	5.3	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	250	23	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	250	22	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	250	20	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	250	21	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	250	20	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	490	120	ug/kg	

Method Blank Summary

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Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29365-MB	I78883.D	1	06/25/12	NS	06/25/12	OP29365	MSI2926

The QC reported here applies to the following samples:

Method: SW846 8270C

MC11638-1, MC11638-2, MC11638-3, MC11638-4, MC11638-5, MC11638-6, MC11638-7, MC11638-8, MC11638-9, MC11638-10, MC11638-11, MC11638-12, MC11638-13, MC11638-14

CAS No.	Compound	Result	RL	MDL	Units	Q
606-20-2	2,6-Dinitrotoluene	ND	490	24	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	250	5.9	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	99	16	ug/kg	
132-64-9	Dibenzofuran	ND	99	21	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	250	22	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	250	13	ug/kg	
84-66-2	Diethyl phthalate	ND	250	21	ug/kg	
131-11-3	Dimethyl phthalate	ND	250	17	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	250	17	ug/kg	
206-44-0	Fluoranthene	ND	99	8.4	ug/kg	
86-73-7	Fluorene	ND	99	5.4	ug/kg	
118-74-1	Hexachlorobenzene	ND	250	21	ug/kg	
87-68-3	Hexachlorobutadiene	ND	250	19	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	490	3.3	ug/kg	
67-72-1	Hexachloroethane	ND	250	20	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	99	15	ug/kg	
78-59-1	Isophorone	ND	250	24	ug/kg	
91-57-6	2-Methylnaphthalene	ND	99	21	ug/kg	
88-74-4	2-Nitroaniline	ND	490	120	ug/kg	
99-09-2	3-Nitroaniline	ND	490	120	ug/kg	
100-01-6	4-Nitroaniline	ND	490	18	ug/kg	
91-20-3	Naphthalene	ND	99	5.7	ug/kg	
98-95-3	Nitrobenzene	ND	250	7.3	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	250	16	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	250	13	ug/kg	
85-01-8	Phenanthrene	ND	99	6.4	ug/kg	
129-00-0	Pyrene	ND	99	7.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	250	21	ug/kg	

CAS No.	Surrogate Recoveries	Limits
367-12-4	2-Fluorophenol	75% 30-130%
4165-62-2	Phenol-d5	70% 30-130%
118-79-6	2,4,6-Tribromophenol	77% 30-130%
4165-60-0	Nitrobenzene-d5	75% 30-130%

Method Blank Summary

Page 3 of 3

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29365-MB	I78883.D	1	06/25/12	NS	06/25/12	OP29365	MSI2926

The QC reported here applies to the following samples:

Method: SW846 8270C

MC11638-1, MC11638-2, MC11638-3, MC11638-4, MC11638-5, MC11638-6, MC11638-7, MC11638-8, MC11638-9, MC11638-10, MC11638-11, MC11638-12, MC11638-13, MC11638-14

CAS No.	Surrogate Recoveries	Limits
321-60-8	2-Fluorobiphenyl	77% 30-130%
1718-51-0	Terphenyl-d14	95% 30-130%

Method Blank Summary

Page 1 of 1

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29418-MB	I78966.D	1	06/28/12	NS	06/27/12	OP29418	MSI2929

The QC reported here applies to the following samples:

Method: SW846 8270C

MC11638-17

CAS No.	Compound	Result	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	100	6.0	ug/l	
	3&4-Methylphenol	ND	100	7.5	ug/l	
87-86-5	Pentachlorophenol	ND	100	6.4	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	100	4.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	100	3.5	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	50	2.1	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	100	20	ug/l	
118-74-1	Hexachlorobenzene	ND	50	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	50	3.3	ug/l	
67-72-1	Hexachloroethane	ND	50	20	ug/l	
98-95-3	Nitrobenzene	ND	50	2.4	ug/l	
110-86-1	Pyridine	ND	100	50	ug/l	

CAS No.	Surrogate Recoveries	Limits
367-12-4	2-Fluorophenol	89% 15-110%
4165-62-2	Phenol-d5	82% 15-110%
118-79-6	2,4,6-Tribromophenol	97% 15-110%
4165-60-0	Nitrobenzene-d5	99% 30-130%
321-60-8	2-Fluorobiphenyl	91% 30-130%
1718-51-0	Terphenyl-d14	107% 30-130%

Blank Spike Summary

Page 1 of 3

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29365-BS	I78884.D	1	06/25/12	NS	06/25/12	OP29365	MSI2926

The QC reported here applies to the following samples:

Method: SW846 8270C

MC11638-1, MC11638-2, MC11638-3, MC11638-4, MC11638-5, MC11638-6, MC11638-7, MC11638-8, MC11638-9, MC11638-10, MC11638-11, MC11638-12, MC11638-13, MC11638-14

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	4900	3390	69	30-130
59-50-7	4-Chloro-3-methyl phenol	4900	3880	79	30-130
120-83-2	2,4-Dichlorophenol	4900	3500	71	30-130
105-67-9	2,4-Dimethylphenol	4900	4880	100	30-130
51-28-5	2,4-Dinitrophenol	4900	3690	75	30-130
534-52-1	4,6-Dinitro-o-cresol	4900	3930	80	30-130
95-48-7	2-Methylphenol	4900	3700	75	30-130
	3&4-Methylphenol	9810	7560	77	30-130
88-75-5	2-Nitrophenol	4900	3330	68	30-130
100-02-7	4-Nitrophenol	4900	3450	70	30-130
87-86-5	Pentachlorophenol	4900	3590	73	30-130
108-95-2	Phenol	4900	3560	73	30-130
95-95-4	2,4,5-Trichlorophenol	4900	3800	77	30-130
88-06-2	2,4,6-Trichlorophenol	4900	3720	76	30-130
83-32-9	Acenaphthene	2450	1770	72	40-140
208-96-8	Acenaphthylene	2450	1730	71	40-140
120-12-7	Anthracene	2450	1840	75	40-140
56-55-3	Benzo(a)anthracene	2450	1870	76	40-140
50-32-8	Benzo(a)pyrene	2450	1870	76	40-140
205-99-2	Benzo(b)fluoranthene	2450	1940	79	40-140
191-24-2	Benzo(g,h,i)perylene	2450	1810	74	40-140
207-08-9	Benzo(k)fluoranthene	2450	1880	77	40-140
101-55-3	4-Bromophenyl phenyl ether	2450	1870	76	40-140
85-68-7	Butyl benzyl phthalate	2450	1960	80	40-140
91-58-7	2-Chloronaphthalene	2450	1710	70	40-140
106-47-8	4-Chloroaniline	2450	1050	43	40-140
86-74-8	Carbazole	2450	1960	80	40-140
218-01-9	Chrysene	2450	1920	78	40-140
111-91-1	bis(2-Chloroethoxy)methane	2450	1680	69	40-140
111-44-4	bis(2-Chloroethyl)ether	2450	1640	67	40-140
108-60-1	bis(2-Chloroisopropyl)ether	2450	1630	66	40-140
7005-72-3	4-Chlorophenyl phenyl ether	2450	1880	77	40-140
95-50-1	1,2-Dichlorobenzene	2450	1530	62	40-140
541-73-1	1,3-Dichlorobenzene	2450	1500	61	40-140
106-46-7	1,4-Dichlorobenzene	2450	1530	62	40-140
121-14-2	2,4-Dinitrotoluene	2450	1850	75	40-140

* = Outside of Control Limits.

Blank Spike Summary

Page 2 of 3

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29365-BS	I78884.D	1	06/25/12	NS	06/25/12	OP29365	MSI2926

The QC reported here applies to the following samples:

Method: SW846 8270C

MC11638-1, MC11638-2, MC11638-3, MC11638-4, MC11638-5, MC11638-6, MC11638-7, MC11638-8, MC11638-9, MC11638-10, MC11638-11, MC11638-12, MC11638-13, MC11638-14

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
606-20-2	2,6-Dinitrotoluene	2450	1880	77	40-140
91-94-1	3,3'-Dichlorobenzidine	2450	1780	73	40-140
53-70-3	Dibenzo(a,h)anthracene	2450	1930	79	40-140
132-64-9	Dibenzofuran	2450	1880	77	40-140
84-74-2	Di-n-butyl phthalate	2450	1890	77	40-140
117-84-0	Di-n-octyl phthalate	2450	1650	67	40-140
84-66-2	Diethyl phthalate	2450	1910	78	40-140
131-11-3	Dimethyl phthalate	2450	1860	76	40-140
117-81-7	bis(2-Ethylhexyl)phthalate	2450	2010	82	40-140
206-44-0	Fluoranthene	2450	1870	76	40-140
86-73-7	Fluorene	2450	1890	77	40-140
118-74-1	Hexachlorobenzene	2450	1820	74	40-140
87-68-3	Hexachlorobutadiene	2450	1670	68	40-140
77-47-4	Hexachlorocyclopentadiene	2450	1650	67	40-140
67-72-1	Hexachloroethane	2450	1540	63	40-140
193-39-5	Indeno(1,2,3-cd)pyrene	2450	1780	73	40-140
78-59-1	Isophorone	2450	1700	69	40-140
91-57-6	2-Methylnaphthalene	2450	1750	71	40-140
88-74-4	2-Nitroaniline	2450	1890	77	40-140
99-09-2	3-Nitroaniline	2450	1620	66	40-140
100-01-6	4-Nitroaniline	2450	1730	71	40-140
91-20-3	Naphthalene	2450	1590	65	40-140
98-95-3	Nitrobenzene	2450	1640	67	40-140
621-64-7	N-Nitroso-di-n-propylamine	2450	1800	73	40-140
86-30-6	N-Nitrosodiphenylamine	2450	1840	75	40-140
85-01-8	Phenanthrene	2450	1860	76	40-140
129-00-0	Pyrene	2450	1910	78	40-140
120-82-1	1,2,4-Trichlorobenzene	2450	1600	65	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	71%	30-130%
4165-62-2	Phenol-d5	71%	30-130%
118-79-6	2,4,6-Tribromophenol	77%	30-130%
4165-60-0	Nitrobenzene-d5	72%	30-130%

* = Outside of Control Limits.

Blank Spike Summary

Page 3 of 3

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29365-BS	I78884.D	1	06/25/12	NS	06/25/12	OP29365	MSI2926

The QC reported here applies to the following samples:

Method: SW846 8270C

MC11638-1, MC11638-2, MC11638-3, MC11638-4, MC11638-5, MC11638-6, MC11638-7, MC11638-8, MC11638-9, MC11638-10, MC11638-11, MC11638-12, MC11638-13, MC11638-14

CAS No.	Surrogate Recoveries	BSP	Limits
321-60-8	2-Fluorobiphenyl	73%	30-130%
1718-51-0	Terphenyl-d14	97%	30-130%

* = Outside of Control Limits.

Blank Spike Summary

Page 1 of 1

Job Number: MC11638

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29418-BS	I78983.D	1	06/29/12	NS	06/27/12	OP29418	MSI2932

The QC reported here applies to the following samples:

Method: SW846 8270C

MC11638-17

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-48-7	2-Methylphenol	1000	872	87	30-130
	3&4-Methylphenol	2000	1800	90	30-130
87-86-5	Pentachlorophenol	1000	858	86	30-130
95-95-4	2,4,5-Trichlorophenol	1000	906	91	30-130
88-06-2	2,4,6-Trichlorophenol	1000	868	87	30-130
106-46-7	1,4-Dichlorobenzene	500	367	73	40-140
121-14-2	2,4-Dinitrotoluene	500	483	97	40-140
118-74-1	Hexachlorobenzene	500	480	96	40-140
87-68-3	Hexachlorobutadiene	500	384	77	40-140
67-72-1	Hexachloroethane	500	357	71	40-140
98-95-3	Nitrobenzene	500	440	88	40-140
110-86-1	Pyridine	500	325	65	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	81%	15-110%
4165-62-2	Phenol-d5	77%	15-110%
118-79-6	2,4,6-Tribromophenol	93%	15-110%
4165-60-0	Nitrobenzene-d5	87%	30-130%
321-60-8	2-Fluorobiphenyl	81%	30-130%
1718-51-0	Terphenyl-d14	104%	30-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 3

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29365-MS	I78885.D	1	06/25/12	NS	06/25/12	OP29365	MSI2926
OP29365-MSD	I78886.D	1	06/25/12	NS	06/25/12	OP29365	MSI2926
MC11638-8	I78894.D	1	06/26/12	NS	06/25/12	OP29365	MSI2926

The QC reported here applies to the following samples:

Method: SW846 8270C

MC11638-1, MC11638-2, MC11638-3, MC11638-4, MC11638-5, MC11638-6, MC11638-7, MC11638-8, MC11638-9, MC11638-10, MC11638-11, MC11638-12, MC11638-13, MC11638-14

CAS No.	Compound	MC11638-8 ug/kg	Spike Q	ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		5890	3150	54	3650	63	15	30-130/30
59-50-7	4-Chloro-3-methyl phenol	ND		5890	3780	64	4280	74	12	30-130/30
120-83-2	2,4-Dichlorophenol	ND		5890	3290	56	3660	63	11	30-130/30
105-67-9	2,4-Dimethylphenol	ND		5890	4880	83	5430	93	11	30-130/30
51-28-5	2,4-Dinitrophenol	ND		5890	ND	0* a	1490	26* a	200* b	30-130/30
534-52-1	4,6-Dinitro-o-cresol	ND		5890	533	9* a	1990	34	115* b	30-130/30
95-48-7	2-Methylphenol	ND		5890	3470	59	3930	68	12	30-130/30
	3&4-Methylphenol	ND		11800	7230	61	8120	70	12	30-130/30
88-75-5	2-Nitrophenol	ND		5890	1430	24* a	2900	50	68* b	30-130/30
100-02-7	4-Nitrophenol	ND		5890	3130	53	4320	74	32* b	30-130/30
87-86-5	Pentachlorophenol	ND		5890	1780	30	2500	43	34* b	30-130/30
108-95-2	Phenol	ND		5890	3200	54	3720	64	15	30-130/30
95-95-4	2,4,5-Trichlorophenol	ND		5890	3340	57	3950	68	17	30-130/30
88-06-2	2,4,6-Trichlorophenol	ND		5890	3170	54	3740	64	16	30-130/30
83-32-9	Acenaphthene	ND		2940	1630	55	1930	66	17	40-140/30
208-96-8	Acenaphthylene	ND		2940	1560	53	1830	63	16	40-140/30
120-12-7	Anthracene	ND		2940	1800	61	2010	69	11	40-140/30
56-55-3	Benzo(a)anthracene	ND		2940	1740	59	1970	68	12	40-140/30
50-32-8	Benzo(a)pyrene	ND		2940	1630	55	1820	63	11	40-140/30
205-99-2	Benzo(b)fluoranthene	ND		2940	1730	59	1970	68	13	40-140/30
191-24-2	Benzo(g,h,i)perylene	ND		2940	1890	64	2080	72	10	40-140/30
207-08-9	Benzo(k)fluoranthene	ND		2940	1830	62	1830	63	0	40-140/30
101-55-3	4-Bromophenyl phenyl ether	ND		2940	1800	61	2040	70	13	40-140/30
85-68-7	Butyl benzyl phthalate	ND		2940	1890	64	2130	73	12	40-140/30
91-58-7	2-Chloronaphthalene	ND		2940	1610	55	1890	65	16	40-140/30
106-47-8	4-Chloroaniline	ND		2940	1300	44	920	32* a	34* b	40-140/30
86-74-8	Carbazole	ND		2940	1920	65	2140	74	11	40-140/30
218-01-9	Chrysene	ND		2940	1820	62	2020	70	10	40-140/30
111-91-1	bis(2-Chloroethoxy)methane	ND		2940	1590	54	1770	61	11	40-140/30
111-44-4	bis(2-Chloroethyl)ether	ND		2940	1520	52	1750	60	14	40-140/30
108-60-1	bis(2-Chloroisopropyl)ether	ND		2940	1580	54	1820	63	14	40-140/30
7005-72-3	4-Chlorophenyl phenyl ether	ND		2940	1780	60	2080	72	16	40-140/30
95-50-1	1,2-Dichlorobenzene	ND		2940	1430	49	1640	56	14	40-140/30
541-73-1	1,3-Dichlorobenzene	ND		2940	1390	47	1580	54	13	40-140/30
106-46-7	1,4-Dichlorobenzene	ND		2940	1410	48	1620	56	14	40-140/30
121-14-2	2,4-Dinitrotoluene	ND		2940	1110	38* a	1840	63	49* b	40-140/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 2 of 3

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29365-MS	I78885.D	1	06/25/12	NS	06/25/12	OP29365	MSI2926
OP29365-MSD	I78886.D	1	06/25/12	NS	06/25/12	OP29365	MSI2926
MC11638-8	I78894.D	1	06/26/12	NS	06/25/12	OP29365	MSI2926

The QC reported here applies to the following samples:

Method: SW846 8270C

MC11638-1, MC11638-2, MC11638-3, MC11638-4, MC11638-5, MC11638-6, MC11638-7, MC11638-8, MC11638-9, MC11638-10, MC11638-11, MC11638-12, MC11638-13, MC11638-14

CAS No.	Compound	MC11638-8 ug/kg	Spike Q	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
606-20-2	2,6-Dinitrotoluene	ND	2940	1110	38* a	1810	62	48* b	40-140/30
91-94-1	3,3'-Dichlorobenzidine	ND	2940	1820	62	1910	66	5	40-140/30
53-70-3	Dibenzo(a,h)anthracene	ND	2940	2200	75	2450	84	11	40-140/30
132-64-9	Dibenzofuran	ND	2940	1770	60	2050	71	15	40-140/30
84-74-2	Di-n-butyl phthalate	ND	2940	1830	62	2060	71	12	40-140/30
117-84-0	Di-n-octyl phthalate	ND	2940	1750	59	1930	66	10	40-140/30
84-66-2	Diethyl phthalate	ND	2940	1820	62	2050	71	12	40-140/30
131-11-3	Dimethyl phthalate	ND	2940	1770	60	2020	70	13	40-140/30
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2940	1900	65	2190	75	14	40-140/30
206-44-0	Fluoranthene	ND	2940	1770	60	1960	67	10	40-140/30
86-73-7	Fluorene	ND	2940	1750	59	2020	70	14	40-140/30
118-74-1	Hexachlorobenzene	ND	2940	1670	57	1980	68	17	40-140/30
87-68-3	Hexachlorobutadiene	ND	2940	1490	51	1750	60	16	40-140/30
77-47-4	Hexachlorocyclopentadiene	ND	2940	ND	0* a	551	19* a	200* b	40-140/30
67-72-1	Hexachloroethane	ND	2940	471	16* a	1030	35* a	74* b	40-140/30
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2940	1950	66	2270	78	15	40-140/30
78-59-1	Isophorone	ND	2940	1620	55	1800	62	11	40-140/30
91-57-6	2-Methylnaphthalene	ND	2940	1590	54	1840	63	15	40-140/30
88-74-4	2-Nitroaniline	ND	2940	1470	50	2000	69	31* b	40-140/30
99-09-2	3-Nitroaniline	ND	2940	1190	40	1570	54	28	40-140/30
100-01-6	4-Nitroaniline	ND	2940	1370	47	1780	61	26	40-140/30
91-20-3	Naphthalene	ND	2940	1500	51	1680	58	11	40-140/30
98-95-3	Nitrobenzene	ND	2940	1280	43	1680	58	27	40-140/30
621-64-7	N-Nitroso-di-n-propylamine	ND	2940	1690	57	1100	38* a	42* b	40-140/30
86-30-6	N-Nitrosodiphenylamine	ND	2940	1840	63	2100	72	13	40-140/30
85-01-8	Phenanthrene	ND	2940	1790	61	2030	70	13	40-140/30
129-00-0	Pyrene	ND	2940	1810	61	2040	70	12	40-140/30
120-82-1	1,2,4-Trichlorobenzene	ND	2940	1470	50	1700	59	15	40-140/30

CAS No.	Surrogate Recoveries	MS	MSD	MC11638-8	Limits
367-12-4	2-Fluorophenol	55%	63%	57%	30-130%
4165-62-2	Phenol-d5	55%	63%	52%	30-130%
118-79-6	2,4,6-Tribromophenol	50%	62%	53%	30-130%
4165-60-0	Nitrobenzene-d5	47%	62%	58%	30-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 3 of 3

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29365-MS	I78885.D	1	06/25/12	NS	06/25/12	OP29365	MSI2926
OP29365-MSD	I78886.D	1	06/25/12	NS	06/25/12	OP29365	MSI2926
MC11638-8	I78894.D	1	06/26/12	NS	06/25/12	OP29365	MSI2926

The QC reported here applies to the following samples:

Method: SW846 8270C

MC11638-1, MC11638-2, MC11638-3, MC11638-4, MC11638-5, MC11638-6, MC11638-7, MC11638-8, MC11638-9, MC11638-10, MC11638-11, MC11638-12, MC11638-13, MC11638-14

CAS No.	Surrogate Recoveries	MS	MSD	MC11638-8	Limits
321-60-8	2-Fluorobiphenyl	56%	66%	59%	30-130%
1718-51-0	Terphenyl-d14	74%	86%	76%	30-130%

- (a) Outside control limits due to possible matrix interference. Refer to Blank Spike.
(b) High RPD due to possible matrix interference and/or sample non-homogeneity.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29418-MS	I78984.D	1	06/29/12	NS	06/27/12	OP29418	MSI2932
OP29418-MSD	I78985.D	1	06/29/12	NS	06/27/12	OP29418	MSI2932
MC11638-17	I78970.D	1	06/28/12	NS	06/27/12	OP29418	MSI2929

The QC reported here applies to the following samples:

Method: SW846 8270C

MC11638-17

CAS No.	Compound	MC11638-17 Spike ug/l	Q	ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-48-7	2-Methylphenol	ND		1000	864	86	906	91	5	30-130/20
	3&4-Methylphenol	ND		2000	1770	89	1830	92	3	30-130/20
87-86-5	Pentachlorophenol	ND		1000	856	86	909	91	6	30-130/20
95-95-4	2,4,5-Trichlorophenol	ND		1000	889	89	941	94	6	30-130/20
88-06-2	2,4,6-Trichlorophenol	ND		1000	893	89	911	91	2	30-130/20
106-46-7	1,4-Dichlorobenzene	ND		500	337	67	383	77	13	40-140/20
121-14-2	2,4-Dinitrotoluene	ND		500	486	97	506	101	4	40-140/20
118-74-1	Hexachlorobenzene	ND		500	472	94	495	99	5	40-140/20
87-68-3	Hexachlorobutadiene	ND		500	355	71	397	79	11	40-140/20
67-72-1	Hexachloroethane	ND		500	325	65	371	74	13	40-140/20
98-95-3	Nitrobenzene	ND		500	440	88	470	94	7	40-140/20
110-86-1	Pyridine	ND		500	328	66	346	69	5	40-140/20

CAS No.	Surrogate Recoveries	MS	MSD	MC11638-17 Limits	
367-12-4	2-Fluorophenol	80%	83%	89%	15-110%
4165-62-2	Phenol-d5	76%	79%	79%	15-110%
118-79-6	2,4,6-Tribromophenol	95%	95%	92%	15-110%
4165-60-0	Nitrobenzene-d5	87%	93%	97%	30-130%
321-60-8	2-Fluorobiphenyl	79%	83%	87%	30-130%
1718-51-0	Terphenyl-d14	108%	110%	100%	30-130%

* = Outside of Control Limits.

Semivolatile Surrogate Recovery Summary

Page 1 of 1

Job Number: MC11638

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Method: SW846 8270C

Matrix: LEACHATE

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
MC11638-17	I78970.D	89.0	79.0	92.0	97.0	87.0	100.0
OP29418-BS	I78983.D	81.0	77.0	93.0	87.0	81.0	104.0
OP29418-MB	I78966.D	89.0	82.0	97.0	99.0	91.0	107.0
OP29418-MS	I78984.D	80.0	76.0	95.0	87.0	79.0	108.0
OP29418-MSD	I78985.D	83.0	79.0	95.0	93.0	83.0	110.0

Surrogate Compounds

Recovery Limits

S1 = 2-Fluorophenol	15-110%
S2 = Phenol-d5	15-110%
S3 = 2,4,6-Tribromophenol	15-110%
S4 = Nitrobenzene-d5	30-130%
S5 = 2-Fluorobiphenyl	30-130%
S6 = Terphenyl-d14	30-130%

6.4.1

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Semivolatile Surrogate Recovery Summary

Page 1 of 1

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Method: SW846 8270C **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
MC11638-1	I78887.D	52.0	42.0	50.0	52.0	55.0	72.0
MC11638-2	I78888.D	68.0	64.0	62.0	69.0	70.0	90.0
MC11638-3	I78889.D	55.0	52.0	63.0	59.0	59.0	77.0
MC11638-4	I78890.D	48.0	47.0	67.0	48.0	53.0	90.0
MC11638-5	I78922.D	43.0	57.0	9.0* a	61.0	62.0	79.0
MC11638-5	I78891.D	42.0	56.0	10.0* a	61.0	62.0	78.0
MC11638-6	I78892.D	60.0	58.0	60.0	64.0	65.0	79.0
MC11638-7	I78893.D	66.0	62.0	74.0	70.0	71.0	91.0
MC11638-8	I78894.D	57.0	52.0	53.0	58.0	59.0	76.0
MC11638-9	W2538.D	68.0	70.0	78.0	64.0	70.0	87.0
MC11638-10	W2500.D	60.0	62.0	79.0	59.0	64.0	95.0
MC11638-11	W2534.D	62.0	61.0	51.0	62.0	64.0	82.0
MC11638-12	W2535.D	63.0	64.0	78.0	63.0	67.0	93.0
MC11638-13	W2536.D	59.0	59.0	61.0	60.0	60.0	79.0
MC11638-14	W2537.D	63.0	63.0	66.0	63.0	65.0	92.0
OP29365-BS	I78884.D	71.0	71.0	77.0	72.0	73.0	97.0
OP29365-MB	I78883.D	75.0	70.0	77.0	75.0	77.0	95.0
OP29365-MS	I78885.D	55.0	55.0	50.0	47.0	56.0	74.0
OP29365-MSD	I78886.D	63.0	63.0	62.0	62.0	66.0	86.0

Surrogate Compounds

Recovery Limits

S1 = 2-Fluorophenol	30-130%
S2 = Phenol-d5	30-130%
S3 = 2,4,6-Tribromophenol	30-130%
S4 = Nitrobenzene-d5	30-130%
S5 = 2-Fluorobiphenyl	30-130%
S6 = Terphenyl-d14	30-130%

(a) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Page 1 of 1

Job Number: MC11638

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBH1519-MB	BH27103A.D1		06/23/12	AF	n/a	n/a	GBH1519

The QC reported here applies to the following samples:

Method: SW846 8015

MC11638-9, MC11638-11

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (VOA)	ND	5.0	0.95	mg/kg	

CAS No.	Surrogate Recoveries	Limits
615-59-8	2,5-Dibromotoluene	101% 36-148%

Blank Spike Summary

Page 1 of 1

Job Number: MC11638

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBH1519-BSP	BH27104A.D1		06/23/12	AF	n/a	n/a	GBH1519

The QC reported here applies to the following samples:

Method: SW846 8015

MC11638-9, MC11638-11

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (VOA)	20	20.0	100	67-133

CAS No.	Surrogate Recoveries	BSP	Limits
615-59-8	2,5-Dibromotoluene	98%	36-148%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC11607-1MS	BH27110.D	1	06/23/12	AF	n/a	n/a	GBH1519
MC11607-1MSD	BH27111.D	1	06/23/12	AF	n/a	n/a	GBH1519
MC11607-1	BH27109.D	1	06/23/12	AF	n/a	n/a	GBH1519

The QC reported here applies to the following samples: Method: SW846 8015

MC11638-9, MC11638-11

CAS No.	Compound	MC11607-1 mg/kg	Spike Q	mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (VOA)	ND	25.1	24.8	99	24.9	99	0	40-154/20	

CAS No.	Surrogate Recoveries	MS	MSD	MC11607-1	Limits
615-59-8	2,5-Dibromotoluene	90%	89%	88%	36-148%

* = Outside of Control Limits.

Volatile Surrogate Recovery Summary

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Method: SW846 8015	Matrix: SO
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a
MC11638-9	BH27124.D	86.0
MC11638-11	BH27118.D	95.0
GBH1519-BSP	BH27104A.D	98.0
GBH1519-MB	BH27103A.D	101.0
MC11607-1MS	BH27110.D	90.0
MC11607-1MSD	BH27111.D	89.0

Surrogate Compounds	Recovery Limits
S1 = 2,5-Dibromotoluene	36-148%

(a) Recovery from GC signal #1

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Page 1 of 1

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29363-MB	BE30798.D	1	06/29/12	AP	06/22/12	OP29363	GBE1711

The QC reported here applies to the following samples:

Method: SW846 8081

MC11638-9

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	6.5	1.8	ug/kg	
319-84-6	alpha-BHC	ND	6.5	1.7	ug/kg	
319-85-7	beta-BHC	ND	6.5	2.3	ug/kg	
319-86-8	delta-BHC	ND	6.5	1.7	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	6.5	1.9	ug/kg	
5103-71-9	alpha-Chlordane	ND	6.5	2.4	ug/kg	
5103-74-2	gamma-Chlordane	ND	6.5	2.0	ug/kg	
60-57-1	Dieldrin	ND	6.5	2.0	ug/kg	
72-54-8	4,4' -DDD	ND	6.5	2.6	ug/kg	
72-55-9	4,4' -DDE	ND	6.5	2.0	ug/kg	
50-29-3	4,4' -DDT	ND	6.5	3.6	ug/kg	
72-20-8	Endrin	ND	6.5	3.2	ug/kg	
1031-07-8	Endosulfan sulfate	ND	6.5	2.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	6.5	2.3	ug/kg	
959-98-8	Endosulfan-I	ND	6.5	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	6.5	2.2	ug/kg	
76-44-8	Heptachlor	ND	6.5	2.0	ug/kg	
1024-57-3	Heptachlor epoxide	ND	6.5	2.0	ug/kg	
72-43-5	Methoxychlor	ND	6.5	2.7	ug/kg	
53494-70-5	Endrin ketone	ND	6.5	2.6	ug/kg	
8001-35-2	Toxaphene	ND	65	7.5	ug/kg	

CAS No.	Surrogate Recoveries	Limits
877-09-8	Tetrachloro-m-xylene	51% 30-150%
877-09-8	Tetrachloro-m-xylene	51% 30-150%
2051-24-3	Decachlorobiphenyl	64% 30-150%
2051-24-3	Decachlorobiphenyl	67% 30-150%

8.1.1

8

Method Blank Summary

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Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29435-MB	BE30811.D	1	07/03/12	AP	06/28/12	OP29435	GBE1712

The QC reported here applies to the following samples:

Method: SW846 8081

MC11638-11

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	6.5	1.8	ug/kg	
319-84-6	alpha-BHC	ND	6.5	1.7	ug/kg	
319-85-7	beta-BHC	ND	6.5	2.3	ug/kg	
319-86-8	delta-BHC	ND	6.5	1.7	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	6.5	1.9	ug/kg	
5103-71-9	alpha-Chlordane	ND	6.5	2.5	ug/kg	
5103-74-2	gamma-Chlordane	ND	6.5	2.0	ug/kg	
60-57-1	Dieldrin	ND	6.5	2.0	ug/kg	
72-54-8	4,4' -DDD	ND	6.5	2.6	ug/kg	
72-55-9	4,4' -DDE	ND	6.5	2.1	ug/kg	
50-29-3	4,4' -DDT	ND	6.5	3.6	ug/kg	
72-20-8	Endrin	ND	6.5	3.2	ug/kg	
1031-07-8	Endosulfan sulfate	ND	6.5	2.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	6.5	2.3	ug/kg	
959-98-8	Endosulfan-I	ND	6.5	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	6.5	2.2	ug/kg	
76-44-8	Heptachlor	ND	6.5	2.0	ug/kg	
1024-57-3	Heptachlor epoxide	ND	6.5	2.0	ug/kg	
72-43-5	Methoxychlor	ND	6.5	2.7	ug/kg	
53494-70-5	Endrin ketone	ND	6.5	2.6	ug/kg	
8001-35-2	Toxaphene	ND	65	7.5	ug/kg	

CAS No.	Surrogate Recoveries	Limits
877-09-8	Tetrachloro-m-xylene	87% 30-150%
877-09-8	Tetrachloro-m-xylene	86% 30-150%
2051-24-3	Decachlorobiphenyl	109% 30-150%
2051-24-3	Decachlorobiphenyl	114% 30-150%

8.1.2

8

Method Blank Summary

Page 1 of 1

Job Number: MC11638

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29362-MB	BK13944.D	1	06/25/12	AP	06/22/12	OP29362	GBK555

The QC reported here applies to the following samples:

Method: SW846 8082

MC11638-9, MC11638-11

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	98	13	ug/kg	
11104-28-2	Aroclor 1221	ND	98	14	ug/kg	
11141-16-5	Aroclor 1232	ND	98	19	ug/kg	
53469-21-9	Aroclor 1242	ND	98	6.6	ug/kg	
12672-29-6	Aroclor 1248	ND	98	2.5	ug/kg	
11097-69-1	Aroclor 1254	ND	98	15	ug/kg	
11096-82-5	Aroclor 1260	ND	98	3.7	ug/kg	

CAS No.	Surrogate Recoveries	Limits
877-09-8	Tetrachloro-m-xylene	104% 30-150%
877-09-8	Tetrachloro-m-xylene	121% 30-150%
2051-24-3	Decachlorobiphenyl	122% 30-150%
2051-24-3	Decachlorobiphenyl	134% 30-150%

8.1.3

8

Method Blank Summary

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Job Number: MC11638

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29364-MB	BC640945.D	1	06/25/12	KN	06/25/12	OP29364	GBC2994

The QC reported here applies to the following samples:

Method: SW846-8015

MC11638-9

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (Semi-VOA)	ND	16	1.9	mg/kg	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	78% 40-140%

8.1.4

8

Method Blank Summary

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29392-MB	BC641219.D	1	06/29/12	KN	06/26/12	OP29392	GBC3003

The QC reported here applies to the following samples: Method: SW846-8015

MC11638-11

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (Semi-VOA)	ND	16	2.0	mg/kg	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	60% 40-140%

8.1.5
8

Blank Spike Summary

Page 1 of 1

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29363-BS	BE30799.D	1	06/29/12	AP	06/22/12	OP29363	GBE1711

The QC reported here applies to the following samples:

Method: SW846 8081

MC11638-9

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
309-00-2	Aldrin	13.1	7.2	55	40-140
319-84-6	alpha-BHC	13.1	6.9	53	40-140
319-85-7	beta-BHC	13.1	7.9	60	40-140
319-86-8	delta-BHC	13.1	7.2	55	40-140
58-89-9	gamma-BHC (Lindane)	13.1	7.1	54	40-140
5103-71-9	alpha-Chlordane	13.1	7.2	55	40-140
5103-74-2	gamma-Chlordane	13.1	7.7	59	40-140
60-57-1	Dieldrin	13.1	7.8	60	40-140
72-54-8	4,4'-DDD	13.1	7.8	60	40-140
72-55-9	4,4'-DDE	13.1	7.3	56	40-140
50-29-3	4,4'-DDT	13.1	7.9	60	40-140
72-20-8	Endrin	13.1	9.0	69	40-140
1031-07-8	Endosulfan sulfate	13.1	8.5	65	40-140
7421-93-4	Endrin aldehyde	13.1	9.8	75	40-140
959-98-8	Endosulfan-I	13.1	7.6	58	40-140
33213-65-9	Endosulfan-II	13.1	8.2	63	40-140
76-44-8	Heptachlor	13.1	7.7	59	40-140
1024-57-3	Heptachlor epoxide	13.1	7.7	59	40-140
72-43-5	Methoxychlor	13.1	8.6	66	40-140
53494-70-5	Endrin ketone	13.1	8.0	61	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	54%	30-150%
877-09-8	Tetrachloro-m-xylene	55%	30-150%
2051-24-3	Decachlorobiphenyl	71%	30-150%
2051-24-3	Decachlorobiphenyl	73%	30-150%

* = Outside of Control Limits.

Blank Spike Summary

Page 1 of 1

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29435-BS	BE30812.D	1	07/03/12	AP	06/28/12	OP29435	GBE1712

The QC reported here applies to the following samples:

Method: SW846 8081

MC11638-11

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
309-00-2	Aldrin	12.6	12.7	101	40-140
319-84-6	alpha-BHC	12.6	12.3	98	40-140
319-85-7	beta-BHC	12.6	14.4	114	40-140
319-86-8	delta-BHC	12.6	12.4	98	40-140
58-89-9	gamma-BHC (Lindane)	12.6	12.6	100	40-140
5103-71-9	alpha-Chlordane	12.6	13.0	103	40-140
5103-74-2	gamma-Chlordane	12.6	13.1	104	40-140
60-57-1	Dieldrin	12.6	13.9	110	40-140
72-54-8	4,4' -DDD	12.6	12.9	102	40-140
72-55-9	4,4' -DDE	12.6	12.3	98	40-140
50-29-3	4,4' -DDT	12.6	13.3	106	40-140
72-20-8	Endrin	12.6	15.6	124	40-140
1031-07-8	Endosulfan sulfate	12.6	14.7	117	40-140
7421-93-4	Endrin aldehyde	12.6	18.2	144* a	40-140
959-98-8	Endosulfan-I	12.6	13.5	107	40-140
33213-65-9	Endosulfan-II	12.6	14.0	111	40-140
76-44-8	Heptachlor	12.6	13.8	110	40-140
1024-57-3	Heptachlor epoxide	12.6	13.6	108	40-140
72-43-5	Methoxychlor	12.6	14.3	113	40-140
53494-70-5	Endrin ketone	12.6	14.1	112	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	91%	30-150%
877-09-8	Tetrachloro-m-xylene	90%	30-150%
2051-24-3	Decachlorobiphenyl	114%	30-150%
2051-24-3	Decachlorobiphenyl	119%	30-150%

(a) Associated samples are non-detect for target analytes.

* = Outside of Control Limits.

Blank Spike Summary

Page 1 of 1

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29364-BS	BC640947.D	1	06/25/12	KN	06/25/12	OP29364	GBC2994

The QC reported here applies to the following samples:

Method: SW846-8015

MC11638-9

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (Semi-VOA)	163	123	75	45-127

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	70%	40-140%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Page 1 of 1

Job Number: MC11638

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29362-BS	BK13945.D	1	06/25/12	AP	06/22/12	OP29362	GBK555
OP29362-BSD	BK13984.D	1	06/26/12	AP	06/22/12	OP29362	GBK556

The QC reported here applies to the following samples:

Method: SW846 8082

MC11638-9, MC11638-11

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	262	223	85	280	108	23	40-140/30
11104-28-2	Aroclor 1221		ND		ND		nc	40-140/30
11141-16-5	Aroclor 1232		ND		ND		nc	40-140/30
53469-21-9	Aroclor 1242		ND		ND		nc	40-140/30
12672-29-6	Aroclor 1248		ND		ND		nc	40-140/30
11097-69-1	Aroclor 1254		ND		ND		nc	40-140/30
11096-82-5	Aroclor 1260	262	224	86	286	110	24	40-140/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro-m-xylene	89%	107%	30-150%
877-09-8	Tetrachloro-m-xylene	109%	125%	30-150%
2051-24-3	Decachlorobiphenyl	112%	140%	30-150%
2051-24-3	Decachlorobiphenyl	123%	150%	30-150%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Page 1 of 1

Job Number: MC11638

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29392-BS	BC641221.D	1	06/29/12	KN	06/26/12	OP29392	GBC3003
OP29392-BSD	BC641223.D	1	06/29/12	KN	06/26/12	OP29392	GBC3003

The QC reported here applies to the following samples:

Method: SW846-8015

MC11638-11

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH-DRO (Semi-VOA)	166	110	66	112	69	2	45-127/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
84-15-1	o-Terphenyl	66%	67%	40-140%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29363-MS	BE30805.D	1	06/30/12	AP	06/22/12	OP29363	GBE1711
OP29363-MSD	BE30806.D	1	06/30/12	AP	06/22/12	OP29363	GBE1711
MC11638-9	BE30807.D	1	06/30/12	AP	06/22/12	OP29363	GBE1711

The QC reported here applies to the following samples:

Method: SW846 8081

MC11638-9

CAS No.	Compound	MC11638-9 ug/kg	Spike Q	ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	ND		15.6	4.9	31	5.6	35	13	30-150/30
319-84-6	alpha-BHC	ND		15.6	7.6	49	8.0	49	5	30-150/30
319-85-7	beta-BHC	ND		15.6	5.6	36	7.0	43	22	30-150/30
319-86-8	delta-BHC	ND		15.6	10.9	70	9.7	60	12	30-150/30
58-89-9	gamma-BHC (Lindane)	ND		15.6	8.3	53	11.0	68	28	30-150/30
5103-71-9	alpha-Chlordane	ND		15.6	7.8	50	8.0	49	3	30-150/30
5103-74-2	gamma-Chlordane	ND		15.6	7.1	45	7.8	48	9	30-150/30
60-57-1	Dieldrin	ND		15.6	8.5	54	9.4	58	10	30-150/30
72-54-8	4,4' -DDD	ND		15.6	7.9	50	8.9	55	12	30-150/30
72-55-9	4,4' -DDE	ND		15.6	8.4	54	8.5	53	1	30-150/30
50-29-3	4,4' -DDT	ND		15.6	7.7	49	7.8	48	1	30-150/30
72-20-8	Endrin	ND		15.6	8.7	56	9.1	56	4	30-150/30
1031-07-8	Endosulfan sulfate	ND		15.6	7.6	49	8.0	49	5	30-150/30
7421-93-4	Endrin aldehyde	ND		15.6	4.9	31	5.2	32	6	30-150/30
959-98-8	Endosulfan-I	ND		15.6	7.2	46	7.9	49	9	30-150/30
33213-65-9	Endosulfan-II	ND		15.6	8.3	53	9.6	59	15	30-150/30
76-44-8	Heptachlor	ND		15.6	6.1	39	6.6	41	8	30-150/30
1024-57-3	Heptachlor epoxide	ND		15.6	9.5	61	9.3	57	2	30-150/30
72-43-5	Methoxychlor	ND		15.6	6.9	44	7.5	46	8	30-150/30
53494-70-5	Endrin ketone	ND		15.6	7.0	45	7.1	44	1	30-150/30

CAS No.	Surrogate Recoveries	MS	MSD	MC11638-9	Limits
877-09-8	Tetrachloro-m-xylene	221% * a	255% * a	233% * a	30-150%
877-09-8	Tetrachloro-m-xylene	45%	47%	49%	30-150%
2051-24-3	Decachlorobiphenyl	52%	55%	54%	30-150%
2051-24-3	Decachlorobiphenyl	60%	66%	63%	30-150%

(a) Outside control limits due to possible matrix interference. Confirmed by Matrix Spike/Matrix Spike Duplicate.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29435-MS	BE30813.D	1	07/03/12	AP	06/28/12	OP29435	GBE1712
OP29435-MSD	BE30814.D	1	07/03/12	AP	06/28/12	OP29435	GBE1712
MC11638-11	BE30815.D	1	07/03/12	AP	06/28/12	OP29435	GBE1712

The QC reported here applies to the following samples:

Method: SW846 8081

MC11638-11

CAS No.	Compound	MC11638-11 Spike ug/kg	Q	ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	ND		15.4	11.0	71	10.4	68	6	30-150/30
319-84-6	alpha-BHC	ND		15.4	11.0	71	11.3	74	3	30-150/30
319-85-7	beta-BHC	ND		15.4	13.3	86	12.7	83	5	30-150/30
319-86-8	delta-BHC	ND		15.4	10.8	70	10.1	66	7	30-150/30
58-89-9	gamma-BHC (Lindane)	ND		15.4	11.1	72	10.3	68	7	30-150/30
5103-71-9	alpha-Chlordane	ND		15.4	11.0	71	10.5	69	5	30-150/30
5103-74-2	gamma-Chlordane	ND		15.4	10.4	68	9.9	65	5	30-150/30
60-57-1	Dieldrin	ND		15.4	11.6	75	11.0	72	5	30-150/30
72-54-8	4,4'-DDD	ND		15.4	11.6	75	10.8	71	7	30-150/30
72-55-9	4,4'-DDE	ND		15.4	9.3	60	8.7	57	7	30-150/30
50-29-3	4,4'-DDT	ND		15.4	11.2	73	10.2	67	9	30-150/30
72-20-8	Endrin	ND		15.4	13.1	85	12.5	82	5	30-150/30
1031-07-8	Endosulfan sulfate	ND		15.4	11.9	77	11.3	74	5	30-150/30
7421-93-4	Endrin aldehyde	ND		15.4	9.4	61	10.3	68	9	30-150/30
959-98-8	Endosulfan-I	ND		15.4	11.5	75	10.8	71	6	30-150/30
33213-65-9	Endosulfan-II	ND		15.4	11.8	77	11.0	72	7	30-150/30
76-44-8	Heptachlor	ND		15.4	11.3	73	10.6	69	6	30-150/30
1024-57-3	Heptachlor epoxide	ND		15.4	11.2	73	10.7	70	5	30-150/30
72-43-5	Methoxychlor	ND		15.4	12.8	83	11.5	75	11	30-150/30
53494-70-5	Endrin ketone	ND		15.4	11.3	73	10.5	69	7	30-150/30

CAS No.	Surrogate Recoveries	MS	MSD	MC11638-11 Limits
877-09-8	Tetrachloro-m-xylene	287% * a	359% * a	341% * a 30-150%
877-09-8	Tetrachloro-m-xylene	81%	71%	67% 30-150%
2051-24-3	Decachlorobiphenyl	82%	76%	75% 30-150%
2051-24-3	Decachlorobiphenyl	100%	90%	89% 30-150%

(a) Outside control limits due to possible matrix interference. Confirmed by Matrix Spike/Matrix Spike Duplicate.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29362-MS	BK13946.D	1	06/25/12	AP	06/22/12	OP29362	GBK555
OP29362-MSD	BK13947.D	1	06/25/12	AP	06/22/12	OP29362	GBK555
MC11638-9	BK13948.D	1	06/25/12	AP	06/22/12	OP29362	GBK555

The QC reported here applies to the following samples:

Method: SW846 8082

MC11638-9, MC11638-11

CAS No.	Compound	MC11638-9 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		321	275	86	280	87	2	40-140/50
11104-28-2	Aroclor 1221	ND			ND		ND		nc	40-140/50
11141-16-5	Aroclor 1232	ND			ND		ND		nc	40-140/50
53469-21-9	Aroclor 1242	ND			ND		ND		nc	40-140/50
12672-29-6	Aroclor 1248	ND			ND		ND		nc	40-140/50
11097-69-1	Aroclor 1254	ND			ND		ND		nc	40-140/50
11096-82-5	Aroclor 1260	ND		321	266	83	254	79	5	40-140/50

CAS No.	Surrogate Recoveries	MS	MSD	MC11638-9	Limits
877-09-8	Tetrachloro-m-xylene	88%	87%	104%	30-150%
877-09-8	Tetrachloro-m-xylene	105%	109%	120%	30-150%
2051-24-3	Decachlorobiphenyl	103%	99%	116%	30-150%
2051-24-3	Decachlorobiphenyl	126%	122%	139%	30-150%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29364-MS	BC640961.D	1	06/25/12	KN	06/25/12	OP29364	GBC2994
OP29364-MSD	BC640963.D	1	06/25/12	KN	06/25/12	OP29364	GBC2994
MC11637-1	BC640959.D	1	06/25/12	KN	06/25/12	OP29364	GBC2994

The QC reported here applies to the following samples: Method: SW846-8015

MC11638-9

CAS No.	Compound	MC11637-1 mg/kg	Spike Q	mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (Semi-VOA)	1080	194	1360		144	1360	143	0	30-154/50

CAS No.	Surrogate Recoveries	MS	MSD	MC11637-1	Limits
84-15-1	o-Terphenyl	77%	74%	73%	40-140%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: MC11638

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29392-MS	BC641255.D	1	06/29/12	KN	06/26/12	OP29392	GBC3003
OP29392-MSD	BC641257.D	1	06/29/12	KN	06/26/12	OP29392	GBC3003
MC11730-1	BC641231.D	1	06/29/12	KN	06/26/12	OP29392	GBC3003

The QC reported here applies to the following samples:

Method: SW846-8015

MC11638-11

CAS No.	Compound	MC11730-1 mg/kg	Spike Q	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (Semi-VOA)	41.1	207	143	49	100	29* a	35	30-154/50

CAS No.	Surrogate Recoveries	MS	MSD	MC11730-1	Limits
84-15-1	o-Terphenyl	73%	75%	81%	40-140%

(a) Outside control limits due to possible matrix interference.

* = Outside of Control Limits.

Semivolatile Surrogate Recovery Summary

Page 1 of 1

Job Number: MC11638

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Method: SW846 8081

Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a	S1 ^b	S2 ^a	S2 ^b
MC11638-9	BE30807.D	233.0* ^c	49.0	54.0	63.0
MC11638-11	BE30815.D	341.0* ^c	67.0	75.0	89.0
OP29363-BS	BE30799.D	54.0	55.0	71.0	73.0
OP29363-MB	BE30798.D	51.0	51.0	64.0	67.0
OP29363-MS	BE30805.D	221.0* ^c	45.0	52.0	60.0
OP29363-MSD	BE30806.D	255.0* ^c	47.0	55.0	66.0
OP29435-BS	BE30812.D	91.0	90.0	114.0	119.0
OP29435-MB	BE30811.D	87.0	86.0	109.0	114.0
OP29435-MS	BE30813.D	287.0* ^c	81.0	82.0	100.0
OP29435-MSD	BE30814.D	359.0* ^c	71.0	76.0	90.0

Surrogate Compounds

Recovery Limits

S1 = Tetrachloro-m-xylene

30-150%

S2 = Decachlorobiphenyl

30-150%

(a) Recovery from GC signal #1

(b) Recovery from GC signal #2

(c) Outside control limits due to possible matrix interference. Confirmed by Matrix Spike/Matrix Spike Duplicate.

8.5.1

8

Semivolatile Surrogate Recovery Summary

Page 1 of 1

Job Number: MC11638

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Method: SW846 8082

Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a	S1 ^b	S2 ^a	S2 ^b
MC11638-9	BK13948.D	104.0	120.0	116.0	139.0
MC11638-11	BK13988.D	110.0	121.0	137.0	147.0
OP29362-BS	BK13945.D	89.0	109.0	112.0	123.0
OP29362-BSD	BK13984.D	107.0	125.0	140.0	150.0
OP29362-MB	BK13944.D	104.0	121.0	122.0	134.0
OP29362-MS	BK13946.D	88.0	105.0	103.0	126.0
OP29362-MSD	BK13947.D	87.0	109.0	99.0	122.0

Surrogate Compounds

Recovery Limits

S1 = Tetrachloro-m-xylene

30-150%

S2 = Decachlorobiphenyl

30-150%

(a) Recovery from GC signal #1

(b) Recovery from GC signal #2

8.5.2

8

Semivolatile Surrogate Recovery Summary

Job Number: MC11638
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Method: SW846-8015	Matrix: SO
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a
MC11638-9	BC640967.D	66.0
MC11638-11	BC641227.D	67.0
OP29364-BS	BC640947.D	70.0
OP29364-MB	BC640945.D	78.0
OP29364-MS	BC640961.D	77.0
OP29364-MSD	BC640963.D	74.0
OP29392-BS	BC641221.D	66.0
OP29392-BSD	BC641223.D	67.0
OP29392-MB	BC641219.D	60.0
OP29392-MS	BC641255.D	73.0
OP29392-MSD	BC641257.D	75.0

Surrogate Compounds	Recovery Limits
S1 = o-Terphenyl	40-140%

(a) Recovery from GC signal #1

8.5.3
8

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19211
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 06/22/12

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0035	.012	0.013	<0.033

Associated samples MP19211: MC11638-1, MC11638-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19211
 Matrix Type: SOLID

Methods: SW846 7471B
 Units: mg/kg

Prep Date: 06/22/12

Metal	MC11565-4 Original MS	Spikelot HGRWS1	% Rec	QC Limits
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Mercury	0.081	0.66	0.565	102.4	75-125
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Associated samples MP19211: MC11638-1, MC11638-2

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19211
 Matrix Type: SOLID

Methods: SW846 7471B
 Units: mg/kg

Prep Date: 06/22/12

Metal	MC11565-4 Original MSD		Spikelot HGRWS1 % Rec		MSD RPD	QC Limit
Mercury	0.081	0.68	0.574	104.3	3.0	20

Associated samples MP19211: MC11638-1, MC11638-2

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19211
 Matrix Type: SOLID

Methods: SW846 7471B
 Units: mg/kg

Prep Date: 06/22/12 06/22/12

Metal	BSP Result	Spikelot HGRWS1	% Rec	QC Limits	BSD Result	Spikelot HGRWS1	% Rec	BSD RPD	QC Limit
Mercury	0.51	0.5	102.0	80-120	0.50	0.5	100.0	2.0	30

Associated samples MP19211: MC11638-1, MC11638-2

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19211
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 06/22/12

Metal	LCS Result	Spikelot HGLCS71	% Rec	QC Limits
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Mercury 3.6 3.73 96.5 72-128

Associated samples MP19211: MC11638-1, MC11638-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19214
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/23/12

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.1	2.3	9.2	<20
Antimony	1.0	.068	.14	0.030	<1.0
Arsenic	1.0	.083	.17	0.20	<1.0
Barium	5.0	.027	.07	0.18	<5.0
Beryllium	0.40	.014	.04	0.0	<0.40
Boron	10	.043	.089		
Cadmium	0.40	.009	.022	0.0	<0.40
Calcium	500	1.2	1.7	16.8	<500
Chromium	1.0	.063	.11	0.030	<1.0
Cobalt	5.0	.013	.04	0.030	<5.0
Copper	2.5	.095	.17	0.070	<2.5
Gold	5.0	.14	.2		
Iron	10	.67	1.8	4.9	<10
Lead	1.0	.093	.2	-0.030	<1.0
Magnesium	500	3	4	11.6	<500
Manganese	1.5	.031	.26	0.060	<1.5
Molybdenum	10	.031	.062		
Nickel	4.0	.023	.059	0.040	<4.0
Palladium	5.0	.18	.34		
Platinum	5.0	.47	.87		
Potassium	500	4.2	5.8	11.9	<500
Selenium	1.0	.15	.15	0.050	<1.0
Silicon	10	.75	.75		
Silver	0.50	.053	.078	-0.050	<0.50
Sodium	500	2.7	2.7	7.3	<500
Strontium	1.0	.023	.04		
Thallium	1.0	.08	.12	0.13	<1.0
Tin	10	.039	.1		
Titanium	5.0	.053	.11		
Tungsten	10	.53	1.3		
Vanadium	1.0	.085	.12	-0.020	<1.0
Zinc	2.0	.033	.25	0.46	<2.0

Associated samples MP19214: MC11638-1, MC11638-2, MC11638-3, MC11638-4, MC11638-5, MC11638-6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19214
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19214
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 06/23/12

Metal	MC11565-4 Original MS		Spikelot MPICP	% Rec	QC Limits
Aluminum	10100	11400	232	559.2(a)	75-125
Antimony	0.35	30.7	58.1	52.2 (b)	75-125
Arsenic	11.4	60.0	58.1	83.6	75-125
Barium	199	369	232	73.1 (b)	75-125
Beryllium	0.74	52.2	58.1	88.5	75-125
Boron					
Cadmium	0.62	53.5	58.1	91.0	75-125
Calcium	2240	4960	2910	93.6	75-125
Chromium	23.6	78.5	58.1	94.5	75-125
Cobalt	7.7	59.2	58.1	88.6	75-125
Copper	26.8	108	58.1	139.7(b)	75-125
Gold					
Iron	19200	18400	232	-344.1(a)	75-125
Lead	44.4	154	116	94.3	75-125
Magnesium	1910	4620	2910	93.3	75-125
Manganese	510	645	58.1	232.3(a)	75-125
Molybdenum					
Nickel	18.7	72.9	58.1	93.3	75-125
Palladium					
Platinum					
Potassium	533	3120	2910	89.0	75-125
Selenium	0.53	49.1	58.1	83.6	75-125
Silicon					
Silver	0.0	21.8	23.2	93.8	75-125
Sodium	44.5	2700	2910	91.4	75-125
Strontium					
Thallium	0.48	50.3	58.1	85.7	75-125
Tin					
Titanium					
Tungsten					
Vanadium	16.9	70.4	58.1	92.0	75-125
Zinc	111	168	58.1	98.1	75-125

Associated samples MP19214: MC11638-1, MC11638-2, MC11638-3, MC11638-4, MC11638-5, MC11638-6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19214
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes

- (*) Outside of QC limits
- (N) Matrix Spike Rec. outside of QC limits
- (anr) Analyte not requested
- (a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- (b) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity. Post spike within acceptable range.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19214
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 06/23/12

Metal	MC11565-4 Original MSD		Spikelot MPICP	% Rec	MSD RPD	QC Limit
Aluminum	10100	12400	232	989.3(a)	8.4	20
Antimony	0.35	29.3	58.1	49.8 (b)	4.7	20
Arsenic	11.4	59.8	58.1	83.3	0.3	20
Barium	199	375	232	75.7	1.6	20
Beryllium	0.74	52.3	58.1	88.7	0.2	20
Boron						
Cadmium	0.62	53.8	58.1	91.5	0.6	20
Calcium	2240	4900	2910	91.5	1.2	20
Chromium	23.6	80.9	58.1	98.6	3.0	20
Cobalt	7.7	59.0	58.1	88.3	0.3	20
Copper	26.8	77.8	58.1	87.7	32.5 (c)	20
Gold						
Iron	19200	18400	232	-344.1(a)	0.0	20
Lead	44.4	149	116	90.0	3.3	20
Magnesium	1910	4870	2910	101.9	5.3	20
Manganese	510	637	58.1	218.5(a)	1.2	20
Molybdenum						
Nickel	18.7	73.0	58.1	93.4	0.1	20
Palladium						
Platinum						
Potassium	533	3200	2910	91.8	2.5	20
Selenium	0.53	49.3	58.1	83.9	0.4	20
Silicon						
Silver	0.0	21.9	23.2	94.2	0.5	20
Sodium	44.5	2700	2910	91.4	0.0	20
Strontium						
Thallium	0.48	50.4	58.1	85.9	0.2	20
Tin						
Titanium						
Tungsten						
Vanadium	16.9	71.2	58.1	93.4	1.1	20
Zinc	111	180	58.1	118.7	6.9	20

Associated samples MP19214: MC11638-1, MC11638-2, MC11638-3, MC11638-4, MC11638-5, MC11638-6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19214
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes

- (*) Outside of QC limits
- (N) Matrix Spike Rec. outside of QC limits
- (anr) Analyte not requested
- (a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- (b) Spike duplicate recovery indicates possible matrix interference and/or sample nonhomogeneity.
- (c) High RPD due to possible matrix interference and/or sample non-homogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19214
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date:

06/23/12

06/23/12

Metal	BSP Result	Spikelot MPICP	% Rec	QC Limits	BSD Result	Spikelot MPICP	% Rec	BSD RPD	QC Limit
Aluminum	231	200	115.5	80-120	198	200	99.0	15.4	20
Antimony	47.9	50	95.8	80-120	47.7	50	95.4	0.4	20
Arsenic	48.4	50	96.8	80-120	48.4	50	96.8	0.0	20
Barium	187	200	93.5	80-120	189	200	94.5	1.1	20
Beryllium	48.0	50	96.0	80-120	47.6	50	95.2	0.8	20
Boron									
Cadmium	49.0	50	98.0	80-120	49.0	50	98.0	0.0	20
Calcium	2500	2500	100.0	80-120	2450	2500	98.0	2.0	20
Chromium	50.6	50	101.2	80-120	50.5	50	101.0	0.2	20
Cobalt	47.4	50	94.8	80-120	47.4	50	94.8	0.0	20
Copper	46.5	50	93.0	80-120	46.2	50	92.4	0.6	20
Gold									
Iron	209	200	104.5	80-120	197	200	98.5	5.9	20
Lead	97.6	100	97.6	80-120	97.9	100	97.9	0.3	20
Magnesium	2470	2500	98.8	80-120	2450	2500	98.0	0.8	20
Manganese	47.6	50	95.2	80-120	47.1	50	94.2	1.1	20
Molybdenum									
Nickel	48.1	50	96.2	80-120	48.1	50	96.2	0.0	20
Palladium									
Platinum									
Potassium	2440	2500	97.6	80-120	2450	2500	98.0	0.4	20
Selenium	47.5	50	95.0	80-120	47.0	50	94.0	1.1	20
Silicon									
Silver	19.9	20	99.5	80-120	19.8	20	99.0	0.5	20
Sodium	2460	2500	98.4	80-120	2460	2500	98.4	0.0	20
Strontium									
Thallium	48.1	50	96.2	80-120	47.7	50	95.4	0.8	20
Tin									
Titanium									
Tungsten									
Vanadium	49.7	50	99.4	80-120	50.2	50	100.4	1.0	20
Zinc	49.2	50	98.4	80-120	49.0	50	98.0	0.4	20

Associated samples MP19214: MC11638-1, MC11638-2, MC11638-3, MC11638-4, MC11638-5, MC11638-6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19214
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19214
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 06/23/12

Metal	LCS Result	Spikelot MPLCS75	% Rec	QC Limits
Aluminum	7990	8400	95.1	47-152
Antimony	109	93.3	116.8	11-199
Arsenic	85.4	94.5	90.4	82-117
Barium	146	167	87.4	84-116
Beryllium	50.3	57.6	87.3	83-117
Boron				
Cadmium	54.0	60.5	89.3	83-117
Calcium	5560	6140	90.6	83-117
Chromium	66.8	70.4	94.9	82-118
Cobalt	87.9	102	86.2	83-117
Copper	68.0	79.6	85.4	84-116
Gold				
Iron	12800	12500	102.4	51-150
Lead	80.9	91.8	88.1	82-118
Magnesium	2360	2580	91.5	76-124
Manganese	268	283	94.7	82-117
Molybdenum				
Nickel	50.8	57.6	88.2	83-117
Palladium				
Platinum				
Potassium	2250	2490	90.4	70-130
Selenium	79.5	86.4	92.0	80-120
Silicon				
Silver	32.2	34.4	93.6	66-134
Sodium	193	215	89.8	67-133
Strontium				
Thallium	108	120	90.0	78-121
Tin				
Titanium				
Tungsten				
Vanadium	56.3	57	98.8	74-126
Zinc	122	140	87.1	82-118

Associated samples MP19214: MC11638-1, MC11638-2, MC11638-3, MC11638-4, MC11638-5, MC11638-6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19214
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19214
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 06/23/12

Metal	MC11565-4 Original SDL 1:5		%DIF	QC Limits
Aluminum	88100	91500	3.8	0-10
Antimony	3.00	5.50	83.3 (a)	0-10
Arsenic	99.3	107	7.9	0-10
Barium	1730	1830	6.2	0-10
Beryllium	6.40	5.70	10.9 (a)	0-10
Boron				
Cadmium	5.40	4.60	14.8 (b)	0-10
Calcium	19500	20400	4.9	0-10
Chromium	205	218	6.3	0-10
Cobalt	66.8	71.5	7.0	0-10
Copper	233	237	1.9	0-10
Gold				
Iron	167000	178000	6.4	0-10
Lead	386	409	6.0	0-10
Magnesium	16600	17200	4.0	0-10
Manganese	4430	4700	6.1	0-10
Molybdenum				
Nickel	163	171	5.2	0-10
Palladium				
Platinum				
Potassium	4630	5060	9.3	0-10
Selenium	4.60	9.10	97.8 (a)	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium	386	498	28.8 (a)	0-10
Strontium				
Thallium	4.20	5.60	33.3 (a)	0-10
Tin				
Titanium				
Tungsten				
Vanadium	146	154	5.1	0-10
Zinc	962	1030	6.8	0-10

Associated samples MP19214: MC11638-1, MC11638-2, MC11638-3, MC11638-4, MC11638-5, MC11638-6

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19214
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

(b) Serial dilution indicates possible matrix interference.

POST DIGESTATE SPIKE SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19214
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date:

06/23/12

Metal	Sample ml	Final ml	MC11565-4 Raw	PS Corr.**	ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony	10	10.2	3	2.941176	21.1	.1	2	19.60784	92.6	75-125
Arsenic										
Barium	10	10.1	1727	1709.901	4919	.1	350	3465.347	92.6	75-125
Beryllium										
Boron										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper	10	10.2	232.5	227.9412	632.1	.1	47	460.7843	87.7	75-125
Gold										
Iron										
Lead										
Magnesium										
Manganese										
Molybdenum										
Nickel										
Palladium										
Platinum										
Potassium										
Selenium										
Silicon										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Tungsten										
Vanadium										
Zinc										

Associated samples MP19214: MC11638-1, MC11638-2, MC11638-3, MC11638-4, MC11638-5, MC11638-6

POST DIGESTATE SPIKE SUMMARY

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19214
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19224
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: mg/l

Prep Date: 06/26/12

Metal	RL	IDL	MDL	MB raw	final
Aluminum	0.20	.011	.021		
Antimony	0.0060	.00068	.0017		
Arsenic	0.010	.00083	.0019	-0.00020	<0.010
Barium	0.50	.00027	.00065	0.00030	<0.50
Beryllium	0.0040	.00014	.00028		
Boron	0.10	.00043	.00059		
Cadmium	0.0040	.00009	.00021	0.00020	<0.0040
Calcium	5.0	.012	.017		
Chromium	0.010	.00063	.0011	-0.00030	<0.010
Cobalt	0.050	.00013	.0004		
Copper	0.025	.00095	.0017		
Gold	0.050	.0014	.0027		
Iron	0.10	.0067	.011		
Lead	0.010	.00093	.0021	0.0010	<0.010
Magnesium	5.0	.03	.06		
Manganese	0.015	.00031	.00054		
Molybdenum	0.10	.00031	.0015		
Nickel	0.040	.00023	.0007		
Palladium	0.050	.0018	.0079		
Platinum	0.050	.0047	.0096		
Potassium	5.0	.042	.19		
Selenium	0.025	.0015	.002	0.0021	<0.025
Silicon	0.10	.0075	.0084		
Silver	0.0050	.00053	.0013	0.0	<0.0050
Sodium	5.0	.027	.04		
Strontium	0.010	.00023	.00035		
Thallium	0.0050	.0008	.0014		
Tin	0.10	.00039	.00091		
Titanium	0.050	.00053	.0011		
Tungsten	0.10	.0053	.014		
Vanadium	0.010	.00085	.0013		
Zinc	0.10	.00033	.004		

Associated samples MP19224: MC11638-17, MC11638-1A, MC11638-2A, MC11638-3A, MC11638-4A, MC11638-5A, MC11638-6A, MC11638-7A, MC11638-8A, MC11638-9A, MC11638-10A, MC11638-11A, MC11638-12A, MC11638-13A,

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19224
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: mg/l

Prep Date:

Metal

MC11638-14A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19224
 Matrix Type: LEACHATE

Methods: SW846 6010C
 Units: mg/l

Prep Date: 06/26/12

Metal	MC11638-8A Original MS		Spikelot MPICP	% Rec	QC Limits
Aluminum					
Antimony	anr				
Arsenic	0.0	0.51	0.50	102.0	75-125
Barium	0.32	2.2	2.0	94.0	75-125
Beryllium					
Boron					
Cadmium	0.0036	0.51	0.50	101.3	75-125
Calcium					
Chromium	0.0016	0.48	0.50	95.7	75-125
Cobalt					
Copper					
Gold					
Iron					
Lead	0.020	0.96	1.0	94.0	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel	anr				
Palladium					
Platinum					
Potassium					
Selenium	0.014	0.54	0.50	105.2	75-125
Silicon					
Silver	0.00060	0.20	0.20	99.7	75-125
Sodium					
Strontium					
Thallium	anr				
Tin					
Titanium					
Tungsten					
Vanadium					
Zinc					

Associated samples MP19224: MC11638-17, MC11638-1A, MC11638-2A, MC11638-3A, MC11638-4A, MC11638-5A, MC11638-6A, MC11638-7A, MC11638-8A, MC11638-9A, MC11638-10A, MC11638-11A, MC11638-12A, MC11638-13A,

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19224
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: mg/l

Prep Date:

Metal

MC11638-14A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19224
 Matrix Type: LEACHATE

Methods: SW846 6010C
 Units: mg/l

Prep Date: 06/26/12

Metal	MC11638-8A		Spikelot	% Rec	MSD	QC
	Original	MSD	MPICP		RPD	Limit
Aluminum						
Antimony	anr					
Arsenic	0.0	0.51	0.50	102.0	0.0	20
Barium	0.32	2.3	2.0	99.0	4.4	20
Beryllium						
Boron						
Cadmium	0.0036	0.52	0.50	103.3	1.9	20
Calcium						
Chromium	0.0016	0.48	0.50	95.7	0.0	20
Cobalt						
Copper						
Gold						
Iron						
Lead	0.020	0.95	1.0	93.0	1.0	20
Magnesium						
Manganese						
Molybdenum						
Nickel	anr					
Palladium						
Platinum						
Potassium						
Selenium	0.014	0.53	0.50	103.2	1.9	20
Silicon						
Silver	0.00060	0.20	0.20	99.7	0.0	20
Sodium						
Strontium						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium						
Zinc						

Associated samples MP19224: MC11638-17, MC11638-1A, MC11638-2A, MC11638-3A, MC11638-4A, MC11638-5A, MC11638-6A, MC11638-7A, MC11638-8A, MC11638-9A, MC11638-10A, MC11638-11A, MC11638-12A, MC11638-13A,

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19224
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: mg/l

Prep Date:

Metal

MC11638-14A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19224
 Matrix Type: LEACHATE

Methods: SW846 6010C
 Units: mg/l

Prep Date: 06/26/12

Metal	MC11638-1A Original LS		Spikelot MPICP	% Rec	QC Limits
Aluminum					
Antimony	anr				
Arsenic	0.0	0.53	0.50	106.0	75-125
Barium	0.49	2.5	2.0	100.5	75-125
Beryllium					
Boron					
Cadmium	0.00080	0.54	0.50	107.8	75-125
Calcium					
Chromium	0.0022	0.51	0.50	101.6	75-125
Cobalt					
Copper					
Gold					
Iron					
Lead	0.0016	0.98	1.0	97.8	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel	anr				
Palladium					
Platinum					
Potassium					
Selenium	0.0084	0.56	0.50	110.3	75-125
Silicon					
Silver	0.0	0.22	0.20	110.0	75-125
Sodium					
Strontium					
Thallium	anr				
Tin					
Titanium					
Tungsten					
Vanadium					
Zinc					

Associated samples MP19224: MC11638-17, MC11638-1A, MC11638-2A, MC11638-3A, MC11638-4A, MC11638-5A, MC11638-6A, MC11638-7A, MC11638-8A, MC11638-9A, MC11638-10A, MC11638-11A, MC11638-12A, MC11638-13A,

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19224
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: mg/l

Prep Date:

Metal

MC11638-14A

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19224
 Matrix Type: LEACHATE

Methods: SW846 6010C
 Units: mg/l

Prep Date:

06/26/12

06/26/12

Metal	BSP Result	Spikelot MPICP	% Rec	QC Limits	BSD Result	Spikelot MPICP	% Rec	BSD RPD	QC Limit
Aluminum									
Antimony	anr								
Arsenic	0.53	0.50	106.0	80-120	0.54	0.50	108.0	1.9	20
Barium	2.0	2.0	100.0	80-120	2.1	2.0	105.0	4.9	20
Beryllium									
Boron									
Cadmium	0.52	0.50	104.0	80-120	0.53	0.50	106.0	1.9	20
Calcium									
Chromium	0.51	0.50	102.0	80-120	0.52	0.50	104.0	1.9	20
Cobalt									
Copper									
Gold									
Iron									
Lead	1.0	1.0	100.0	80-120	0.99	1.0	99.0	1.0	20
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	0.54	0.50	108.0	80-120	0.54	0.50	108.0	0.0	20
Silicon									
Silver	0.21	0.20	105.0	80-120	0.21	0.20	105.0	0.0	20
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium									
Zinc									

Associated samples MP19224: MC11638-17, MC11638-1A, MC11638-2A, MC11638-3A, MC11638-4A, MC11638-5A, MC11638-6A, MC11638-7A, MC11638-8A, MC11638-9A, MC11638-10A, MC11638-11A, MC11638-12A, MC11638-13A,

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19224
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: mg/l

Prep Date:

Metal

MC11638-14A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19224
 Matrix Type: LEACHATE

Methods: SW846 6010C
 Units: ug/l

Prep Date: 06/26/12

Metal	MC11638-8A Original SDL 1:5		%DIF	QC Limits
Aluminum				
Antimony	anr			
Arsenic	0.00	0.00	NC	0-10
Barium	320	324	1.3	0-10
Beryllium				
Boron				
Cadmium	3.60	4.20	16.7 (a)	0-10
Calcium				
Chromium	1.60	0.00	100.0(a)	0-10
Cobalt				
Copper				
Gold				
Iron				
Lead	19.9	21.6	8.5	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Palladium				
Platinum				
Potassium				
Selenium	13.9	23.8	71.2 (a)	0-10
Silicon				
Silver	0.600	0.00	100.0(a)	0-10
Sodium				
Strontium				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium				
Zinc				

Associated samples MP19224: MC11638-17, MC11638-1A, MC11638-2A, MC11638-3A, MC11638-4A, MC11638-5A, MC11638-6A, MC11638-7A, MC11638-8A, MC11638-9A, MC11638-10A, MC11638-11A, MC11638-12A, MC11638-13A,

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19224
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

MC11638-14A

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

9.3.4

9

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19228
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/27/12

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.1	2.3	2.1	<20
Antimony	1.0	.068	.14	0.020	<1.0
Arsenic	1.0	.083	.17	0.090	<1.0
Barium	5.0	.027	.07	0.070	<5.0
Beryllium	0.40	.014	.04	0.020	<0.40
Boron	10	.043	.089		
Cadmium	0.40	.009	.022	0.010	<0.40
Calcium	500	1.2	1.7	8.0	<500
Chromium	1.0	.063	.11	0.070	<1.0
Cobalt	5.0	.013	.04	0.020	<5.0
Copper	2.5	.095	.17	0.030	<2.5
Gold	5.0	.14	.2		
Iron	10	.67	1.8	1.2	<10
Lead	1.0	.093	.2	0.13	<1.0
Magnesium	500	3	4	4.3	<500
Manganese	1.5	.031	.26	0.060	<1.5
Molybdenum	10	.031	.062		
Nickel	4.0	.023	.059	0.030	<4.0
Palladium	5.0	.18	.34		
Platinum	5.0	.47	.87		
Potassium	500	4.2	5.8	12.4	<500
Selenium	1.0	.15	.15	-0.040	<1.0
Silicon	10	.75	.75		
Silver	0.50	.053	.078	0.0	<0.50
Sodium	500	2.7	2.7	-15	<500
Strontium	1.0	.023	.04		
Thallium	1.0	.08	.12	0.21	<1.0
Tin	10	.039	.1		
Titanium	5.0	.053	.11		
Tungsten	10	.53	1.3		
Vanadium	1.0	.085	.12	0.0	<1.0
Zinc	2.0	.033	.25	0.20	<2.0

Associated samples MP19228: MC11638-7, MC11638-8, MC11638-9, MC11638-10, MC11638-11, MC11638-12, MC11638-13, MC11638-14

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19228
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19228
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 06/27/12

Metal	MC11638-8 Original MS		Spikelot MPICP	% Rec	QC Limits
Aluminum	10500	11400	206	437.5 (a)	75-125
Antimony	0.0	16.8	51.4	32.7 (b)	75-125
Arsenic	4.5	50.3	51.4	89.1	75-125
Barium	38.4	221	206	88.8	75-125
Beryllium	0.57	44.7	51.4	85.8	75-125
Boron					
Cadmium	0.041	46.8	51.4	90.9	75-125
Calcium	51900	55500	2570	140.0 (a)	75-125
Chromium	18.8	65.3	51.4	90.4	75-125
Cobalt	8.8	51.9	51.4	83.8	75-125
Copper	18.2	65.0	51.4	91.0	75-125
Gold					
Iron	18100	18500	206	194.5 (a)	75-125
Lead	10.2	98.8	103	86.1	75-125
Magnesium	24300	27700	2570	132.2 (a)	75-125
Manganese	379	432	51.4	103.1	75-125
Molybdenum					
Nickel	25.6	69.1	51.4	84.6	75-125
Palladium					
Platinum					
Potassium	2560	5090	2570	98.4	75-125
Selenium	0.0	43.1	51.4	83.8	75-125
Silicon					
Silver	0.0	19.5	20.6	94.8	75-125
Sodium	170	2580	2570	93.7	75-125
Strontium					
Thallium	0.28	42.6	51.4	82.3	75-125
Tin					
Titanium					
Tungsten					
Vanadium	19.9	65.6	51.4	88.9	75-125
Zinc	46.7	86.1	51.4	76.6	75-125

Associated samples MP19228: MC11638-7, MC11638-8, MC11638-9, MC11638-10, MC11638-11, MC11638-12, MC11638-13, MC11638-14

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19228
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

(b) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity. Post spike within acceptable range.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19228
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 06/27/12

Metal	MC11638-8 Original MSD		Spikelot MPICP	% Rec	MSD RPD	QC Limit
Aluminum	10500	11700	204	588.3 (a)	2.6	20
Antimony	0.0	15.9	51	31.2 (b)	5.5	20
Arsenic	4.5	48.7	51	86.7	3.2	20
Barium	38.4	218	204	88.1	1.4	20
Beryllium	0.57	43.4	51	84.0	3.0	20
Boron						
Cadmium	0.041	46.3	51	90.7	1.1	20
Calcium	51900	53200	2550	51.0 (a)	4.2	20
Chromium	18.8	65.3	51	91.2	0.0	20
Cobalt	8.8	51.2	51	83.2	1.4	20
Copper	18.2	63.4	51	88.6	2.5	20
Gold						
Iron	18100	18400	204	147.1 (a)	0.5	20
Lead	10.2	96.4	102	84.5	2.5	20
Magnesium	24300	26500	2550	86.3	4.4	20
Manganese	379	418	51	76.5	3.3	20
Molybdenum						
Nickel	25.6	68.1	51	83.3	1.5	20
Palladium						
Platinum						
Potassium	2560	5160	2550	102.0	1.4	20
Selenium	0.0	42.3	51	83.0	1.9	20
Silicon						
Silver	0.0	19.2	20.4	94.1	1.6	20
Sodium	170	2540	2550	93.0	1.6	20
Strontium						
Thallium	0.28	42.2	51	82.2	0.9	20
Tin						
Titanium						
Tungsten						
Vanadium	19.9	65.5	51	89.4	0.2	20
Zinc	46.7	85.1	51	75.3	1.2	20

Associated samples MP19228: MC11638-7, MC11638-8, MC11638-9, MC11638-10, MC11638-11, MC11638-12, MC11638-13, MC11638-14

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19228
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

(b) Spike duplicate recovery indicates possible matrix interference and/or sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19228
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date:

06/27/12

06/27/12

Metal	BSP Result	Spikelot MPICP	% Rec	QC Limits	BSD Result	Spikelot MPICP	% Rec	BSD RPD	QC Limit
Aluminum	202	200	101.0	80-120	201	200	100.5	0.5	20
Antimony	48.1	50	96.2	80-120	47.5	50	95.0	1.3	20
Arsenic	48.7	50	97.4	80-120	47.7	50	95.4	2.1	20
Barium	194	200	97.0	80-120	189	200	94.5	2.6	20
Beryllium	48.4	50	96.8	80-120	48.3	50	96.6	0.2	20
Boron									
Cadmium	48.2	50	96.4	80-120	48.1	50	96.2	0.2	20
Calcium	2450	2500	98.0	80-120	2420	2500	96.8	1.2	20
Chromium	51.0	50	102.0	80-120	50.4	50	100.8	1.2	20
Cobalt	46.6	50	93.2	80-120	46.5	50	93.0	0.2	20
Copper	46.6	50	93.2	80-120	46.6	50	93.2	0.0	20
Gold									
Iron	196	200	98.0	80-120	196	200	98.0	0.0	20
Lead	94.1	100	94.1	80-120	94.6	100	94.6	0.5	20
Magnesium	2430	2500	97.2	80-120	2400	2500	96.0	1.2	20
Manganese	49.3	50	98.6	80-120	48.9	50	97.8	0.8	20
Molybdenum									
Nickel	48.1	50	96.2	80-120	47.6	50	95.2	1.0	20
Palladium									
Platinum									
Potassium	2520	2500	100.8	80-120	2460	2500	98.4	2.4	20
Selenium	47.0	50	94.0	80-120	46.6	50	93.2	0.9	20
Silicon									
Silver	19.9	20	99.5	80-120	20.0	20	100.0	0.5	20
Sodium	2460	2500	98.4	80-120	2440	2500	97.6	0.8	20
Strontium									
Thallium	47.4	50	94.8	80-120	47.2	50	94.4	0.4	20
Tin									
Titanium									
Tungsten									
Vanadium	49.2	50	98.4	80-120	50.3	50	100.6	2.2	20
Zinc	49.1	50	98.2	80-120	48.5	50	97.0	1.2	20

Associated samples MP19228: MC11638-7, MC11638-8, MC11638-9, MC11638-10, MC11638-11, MC11638-12, MC11638-13, MC11638-14

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19228
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19228
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 06/27/12

Metal	LCS Result	Spikelot MPLCS75	% Rec	QC Limits
Aluminum	6840	8400	81.4	47-152
Antimony	76.3	93.3	81.8	11-199
Arsenic	87.8	94.5	92.9	82-117
Barium	153	167	91.6	84-116
Beryllium	53.3	57.6	92.5	83-117
Boron				
Cadmium	55.5	60.5	91.7	83-117
Calcium	5780	6140	94.1	83-117
Chromium	66.0	70.4	93.8	82-118
Cobalt	89.6	102	87.8	83-117
Copper	71.3	79.6	89.6	84-116
Gold				
Iron	10600	12500	84.8	51-150
Lead	81.4	91.8	88.7	82-118
Magnesium	2240	2580	86.8	76-124
Manganese	262	283	92.6	82-117
Molybdenum				
Nickel	52.4	57.6	91.0	83-117
Palladium				
Platinum				
Potassium	2200	2490	88.4	70-130
Selenium	81.1	86.4	93.9	80-120
Silicon				
Silver	34.0	34.4	98.8	66-134
Sodium	173	215	80.5	67-133
Strontium				
Thallium	111	120	92.5	78-121
Tin				
Titanium				
Tungsten				
Vanadium	51.1	57	89.6	74-126
Zinc	123	140	87.9	82-118

Associated samples MP19228: MC11638-7, MC11638-8, MC11638-9, MC11638-10, MC11638-11, MC11638-12, MC11638-13, MC11638-14

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19228
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19228
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 06/27/12

Metal	MC11638-8 Original SDL 1:5		%DIF	QC Limits
Aluminum	102000	107000	5.0	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	43.7	45.0	3.0	0-10
Barium	374	391	4.6	0-10
Beryllium	5.50	6.10	10.9 (a)	0-10
Boron				
Cadmium	0.400	0.00	100.0(a)	0-10
Calcium	504000	563000	11.6 (b)	0-10
Chromium	183	200	9.6	0-10
Cobalt	85.3	92.2	8.1	0-10
Copper	177	181	2.1	0-10
Gold				
Iron	176000	193000	9.3	0-10
Lead	99.2	110	10.5 (b)	0-10
Magnesium	236000	252000	6.8	0-10
Manganese	3680	3990	8.3	0-10
Molybdenum				
Nickel	249	271	8.8	0-10
Palladium				
Platinum				
Potassium	24900	26100	5.0	0-10
Selenium	0.00	7.50		0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium	1650	761	54.0 (c)	0-10
Strontium				
Thallium	2.70	0.00	100.0(a)	0-10
Tin				
Titanium				
Tungsten				
Vanadium	194	209	7.8	0-10
Zinc	454	505	11.2 (b)	0-10

Associated samples MP19228: MC11638-7, MC11638-8, MC11638-9, MC11638-10, MC11638-11, MC11638-12, MC11638-13, MC11638-14

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19228
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

(b) Serial dilution indicates possible matrix interference.

(c) Serial Dilution RPD acceptable due to low duplicate and sample concentrations.

POST DIGESTATE SPIKE SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19228
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date:

06/27/12

Metal	Sample ml	Final ml	MC11638-8 Raw	PS Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony	10	10.1	0	0	17.3	.1	2	19.80198	87.4	75-125
Arsenic										
Barium										
Beryllium										
Boron										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Gold										
Iron										
Lead										
Magnesium										
Manganese										
Molybdenum										
Nickel										
Palladium										
Platinum										
Potassium										
Selenium										
Silicon										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Tungsten										
Vanadium										
Zinc										

Associated samples MP19228: MC11638-7, MC11638-8, MC11638-9, MC11638-10, MC11638-11, MC11638-12, MC11638-13, MC11638-14

POST DIGESTATE SPIKE SUMMARY

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19228
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19233
Matrix Type: LEACHATE

Methods: SW846 7470A
Units: mg/l

Prep Date: 06/27/12

Metal	RL	IDL	MDL	MB raw	final
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Mercury 0.00020 .000011 .000062 0.000026 <0.00020

Associated samples MP19233: MC11638-17, MC11638-1A, MC11638-2A, MC11638-3A, MC11638-4A, MC11638-5A, MC11638-6A, MC11638-7A, MC11638-8A, MC11638-9A, MC11638-10A, MC11638-11A, MC11638-12A, MC11638-13A, MC11638-14A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19233
 Matrix Type: LEACHATE

Methods: SW846 7470A
 Units: mg/l

Prep Date: 06/27/12

Metal	MC11638-8A Original MS	Spikelot HGRWS1	% Rec	QC Limits
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Mercury 0.0 0.0031 0.0030 103.3 75-125

Associated samples MP19233: MC11638-17, MC11638-1A, MC11638-2A, MC11638-3A, MC11638-4A, MC11638-5A, MC11638-6A, MC11638-7A, MC11638-8A, MC11638-9A, MC11638-10A, MC11638-11A, MC11638-12A, MC11638-13A, MC11638-14A

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19233
 Matrix Type: LEACHATE

Methods: SW846 7470A
 Units: mg/l

Prep Date: 06/27/12

Metal	MC11638-8A Original MSD	Spikelot HGRWS1	% Rec	MSD RPD	QC Limit
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Mercury	0.0	0.0031	0.0030	103.3	0.0
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Associated samples MP19233: MC11638-17, MC11638-1A, MC11638-2A, MC11638-3A, MC11638-4A, MC11638-5A, MC11638-6A, MC11638-7A, MC11638-8A, MC11638-9A, MC11638-10A, MC11638-11A, MC11638-12A, MC11638-13A, MC11638-14A

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19233
 Matrix Type: LEACHATE

Methods: SW846 7470A
 Units: mg/l

Prep Date: 06/27/12

Metal	MC11638-1A Original LS	Spikelot HGRWS1	% Rec	QC Limits
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Mercury 0.0 0.0030 0.0030 100.0 75-125

Associated samples MP19233: MC11638-17, MC11638-1A, MC11638-2A, MC11638-3A, MC11638-4A, MC11638-5A, MC11638-6A, MC11638-7A, MC11638-8A, MC11638-9A, MC11638-10A, MC11638-11A, MC11638-12A, MC11638-13A, MC11638-14A

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19233
 Matrix Type: LEACHATE

Methods: SW846 7470A
 Units: mg/l

Prep Date: 06/27/12

Metal	BSP Result	Spikelot HGRWS1	% Rec	QC Limits
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Mercury 0.0030 0.0030 100.0 80-120

Associated samples MP19233: MC11638-17, MC11638-1A, MC11638-2A, MC11638-3A, MC11638-4A, MC11638-5A, MC11638-6A, MC11638-7A, MC11638-8A, MC11638-9A, MC11638-10A, MC11638-11A, MC11638-12A, MC11638-13A, MC11638-14A

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19241
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 06/28/12

Metal	RL	IDL	MDL	MB	
				raw	final
Mercury	0.033	.0035	.012	-0.0023	<0.033

Associated samples MP19241: MC11638-3, MC11638-4, MC11638-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19241
 Matrix Type: SOLID

Methods: SW846 7471B
 Units: mg/kg

Prep Date: 06/28/12

Metal	MC11814-2		SpikeLot		QC
	Original	MS	HGRWS1	% Rec	Limits

Mercury	0.0	0.49	0.468	104.6	75-125
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Associated samples MP19241: MC11638-3, MC11638-4, MC11638-5

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19241
 Matrix Type: SOLID

Methods: SW846 7471B
 Units: mg/kg

Prep Date: 06/28/12

Metal	MC11814-2 Original	MSD	Spikelot HGRWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	0.52	0.483	107.8	5.9	20

Associated samples MP19241: MC11638-3, MC11638-4, MC11638-5

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19241
 Matrix Type: SOLID

Methods: SW846 7471B
 Units: mg/kg

Prep Date: 06/28/12 06/28/12

Metal	BSP Result	Spikelot HGRWS1	% Rec	QC Limits	BSD Result	Spikelot HGRWS1	% Rec	BSD RPD	QC Limit
Mercury	0.49	0.5	98.0	80-120	0.49	0.5	98.0	0.0	30

Associated samples MP19241: MC11638-3, MC11638-4, MC11638-5

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19241
 Matrix Type: SOLID

Methods: SW846 7471B
 Units: mg/kg

Prep Date: 06/28/12

Metal	LCS Result	Spikelot HGLCS71	% Rec	QC Limits
-------	---------------	---------------------	-------	--------------

Mercury 3.9 3.73 104.6 72-128

Associated samples MP19241: MC11638-3, MC11638-4, MC11638-5

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19242
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 06/28/12

Metal	RL	IDL	MDL	MB raw	final
-------	----	-----	-----	-----------	-------

Mercury 0.033 .0018 .012 -0.0012 <0.033

Associated samples MP19242: MC11638-6, MC11638-7, MC11638-8, MC11638-9, MC11638-10, MC11638-11, MC11638-12, MC11638-13, MC11638-14

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19242
 Matrix Type: SOLID

Methods: SW846 7471B
 Units: mg/kg

Prep Date: 06/28/12

Metal	MC11638-8 Original MS		Spikelot HGRWS1	% Rec	QC Limits
-------	--------------------------	--	--------------------	-------	--------------

Mercury	0.0	0.59	0.523	112.8	75-125
---------	-----	------	-------	-------	--------

Associated samples MP19242: MC11638-6, MC11638-7, MC11638-8, MC11638-9, MC11638-10, MC11638-11, MC11638-12, MC11638-13, MC11638-14

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19242
 Matrix Type: SOLID

Methods: SW846 7471B
 Units: mg/kg

Prep Date: 06/28/12

Metal	MC11638-8		SpikeLot		MSD	QC
	Original	MSD	HGRWS1	% Rec		
Mercury	0.0	0.61	0.523	116.6	3.3	20

Associated samples MP19242: MC11638-6, MC11638-7, MC11638-8, MC11638-9, MC11638-10, MC11638-11, MC11638-12, MC11638-13, MC11638-14

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19242
 Matrix Type: SOLID

Methods: SW846 7471B
 Units: mg/kg

Prep Date: 06/28/12 06/28/12

Metal	BSP Result	Spikelot HGRWS1	% Rec	QC Limits	BSD Result	Spikelot HGRWS1	% Rec	BSD RPD	QC Limit
Mercury	0.51	0.5	102.0	80-120	0.48	0.5	96.0	6.1	30

Associated samples MP19242: MC11638-6, MC11638-7, MC11638-8, MC11638-9, MC11638-10, MC11638-11, MC11638-12, MC11638-13, MC11638-14

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC11638
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19242
 Matrix Type: SOLID

Methods: SW846 7471B
 Units: mg/kg

Prep Date: 06/28/12

Metal	LCS Result	Spikelot HGLCS71	% Rec	QC Limits
-------	---------------	---------------------	-------	--------------

Mercury 3.8 3.73 101.9 72-128

Associated samples MP19242: MC11638-6, MC11638-7, MC11638-8, MC11638-9, MC11638-10, MC11638-11, MC11638-12, MC11638-13, MC11638-14

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Cyanide	GP14697/GN39241	0.12	0.0	mg/kg	70	68.2	97.4	10-157%
Cyanide	GP14697/GN39241			mg/kg	1.2	1.28	106.7	90-110%
Cyanide	GP14697/GN39241			mg/kg	2.4	2.48	103.3	90-110%
Total Organic Content	GN39210	0.010	<0.010	%				

Associated Samples:

Batch GN39210: MC11638-1, MC11638-2

Batch GP14697: MC11638-1, MC11638-10, MC11638-11, MC11638-12, MC11638-13, MC11638-14, MC11638-17, MC11638-2, MC11638-3, MC11638-4, MC11638-5, MC11638-6, MC11638-7, MC11638-8, MC11638-9

(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Cyanide	GP14697/GN39241	MC11638-8	mg/kg	0.0	0.0	0.0	0-20%
Ignitability (Flashpoint)	GN39140	MC11365-1	Deg. F	>230	>230	0.0	0-20%
Solids, Percent	GN39184	MC11638-8	%	83.1	83.2	0.1	0-20%
Solids, Percent	GN39192	MC11638-9	%	80.9	80.8	0.1	0-20%
Total Organic Content	GN39210	MC11638-2	%	14.3	13.2	1.5	0-20%
pH	GN39185	MC11638-8	su	6.6	6.6	0.0	0-20%

Associated Samples:

Batch GN39140: MC11638-17

Batch GN39184: MC11638-1, MC11638-10, MC11638-11, MC11638-12, MC11638-13, MC11638-14, MC11638-17, MC11638-2, MC11638-3, MC11638-4, MC11638-5, MC11638-6, MC11638-7, MC11638-8

Batch GN39185: MC11638-1, MC11638-10, MC11638-11, MC11638-12, MC11638-13, MC11638-14, MC11638-17, MC11638-2, MC11638-3, MC11638-4, MC11638-5, MC11638-6, MC11638-7, MC11638-8, MC11638-9

Batch GN39192: MC11638-9

Batch GN39210: MC11638-1, MC11638-2

Batch GP14697: MC11638-1, MC11638-10, MC11638-11, MC11638-12, MC11638-13, MC11638-14, MC11638-17, MC11638-2, MC11638-3, MC11638-4, MC11638-5, MC11638-6, MC11638-7, MC11638-8, MC11638-9

(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC11638
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Cyanide	GP14697/GN39241	MC11638-8	mg/kg	0.0	1.41	1.3	92.4	75-125%

Associated Samples:

Batch GP14697: MC11638-1, MC11638-10, MC11638-11, MC11638-12, MC11638-13, MC11638-14, MC11638-17, MC11638-2, MC11638-3, MC11638-4, MC11638-5, MC11638-6, MC11638-7, MC11638-8, MC11638-9

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits



08/15/12

Technical Report for

Weston Solutions, Inc.

Blackhawk Drive - BA, Forest Park, IL

Accutest Job Number: MC11638R

Sampling Date: 06/19/12

Report to:

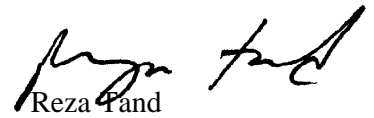
Weston Solutions, Inc.
750 East Bunker Court Suite 500
Vernon Hills, IL 60061
T.balla@westonsolutions.com

ATTN: Tonya Balla

Total number of pages in report: **26**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.


Reza Pand
Lab Director

Client Service contact: Jeremy Vienneau 508-481-6200

Certifications: MA (M-MA136, SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) ISO 17025:2005 (L2235)

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Test results relate only to samples analyzed.

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Sample Summary

Weston Solutions, Inc.

Job No: MC11638R

Blackhawk Drive - BA, Forest Park, IL

Sample Number	Collected		Matrix Code	Type	Client Sample ID
	Date	Time By			
MC11638-8R	06/19/12	11:27 JC	06/21/12	SO Soil	BH-SB04(13-15)-061912
MC11638-9R	06/19/12	12:10 JC	06/21/12	SO Soil	BH-SS05(0-2)-061912

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Weston Solutions, Inc.

Job No MC11638R

Site: Blackhawk Drive - BA, Forest Park, IL

Report Date 8/15/2012 11:40:39 AM

2 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were collected on 06/19/2012 and were received at Accutest on 06/21/2012 properly preserved, at 2.7 Deg. C and intact. These Samples received an Accutest job number of MC11638R. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: LEACHATE

Batch ID: MP19451

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC12328-31TMS, MC12328-31TMSD, MC12328-31TSDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Iron are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Iron are outside control limits. Spike duplicate recovery indicates possible matrix interference and/or sample nonhomogeneity.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report (MC11638R).

Summary of Hits

Job Number: MC11638R
Account: Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL
Collected: 06/19/12



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Analyte						
MC11638-8R	BH-SB04(13-15)-061912					
Iron		1.8	0.10	0.011	mg/l	SW846 6010C
MC11638-9R	BH-SS05(0-2)-061912					
Manganese		0.014 B	0.015	0.00054	mg/l	SW846 6010C

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	BH-SB04(13-15)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-8R	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	83.1
Project:	Blackhawk Drive - BA, Forest Park, IL		

Metals Analysis, SPLP Leachate SW846 1312

Analyte	Result	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Iron	1.8		0.10	0.011	mg/l	1	08/07/12	08/08/12 EAL	SW846 6010C ¹

- (1) Instrument QC Batch: MA14579
(2) Prep QC Batch: MP19451

RL = Reporting Limit MDL = Method Detection Limit U = Indicates a result < MDL
MCL = Maximum Contamination Level (not available) B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-SS05(0-2)-061912	Date Sampled:	06/19/12
Lab Sample ID:	MC11638-9R	Date Received:	06/21/12
Matrix:	SO - Soil	Percent Solids:	80.9
Project:	Blackhawk Drive - BA, Forest Park, IL		

Metals Analysis, SPLP Leachate SW846 1312

Analyte	Result	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Manganese	0.014 B		0.015	0.00054	mg/l	1	08/07/12	08/08/12 EAL	SW846 6010C ¹

- (1) Instrument QC Batch: MA14579
(2) Prep QC Batch: MP19451

RL = Reporting Limit MDL = Method Detection Limit U = Indicates a result < MDL
MCL = Maximum Contamination Level (not available) B = Indicates a result > = MDL but < RL

4.2
4

Misc. Forms

5

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Jeremy Vienneau

MC11638P

From: Balla, Tonya <T.Balla@WestonSolutions.com>
Sent: Tuesday, July 31, 2012 12:55 PM
To: Jeremy Vienneau
Cc: Dorothy Ciesielski
Subject: Blackhawk Dr

Jeremy,

I need to determine if the lab has enough volume (and associated cost) for the following additional analysis:

Sample BH-SB04 (13-15)-061912 – SPLP iron (report iron only - no other compounds to be reported) MC11638 - 8

Sample BH-SS05-(0-2)-061912 – SPLP manganese (mn only – no other compounds to be reported) MC11638 - 9

Please let me know if this is feasible, timeframe, and associated cost.

Thanks,
Tonya

Tonya Balla
Senior Project Manager
847.913.4094 (o) 847.528.2623 (c)

Weston Solutions Inc.
750 E. Bunker Ct. Suite 300 Vernon Hills, IL 60061
t.balla@westonsolutions.com www.westonsolutions.com

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Jeremy Vienneau

mc11638R

From: Balla, Tonya <T.Balla@WestonSolutions.com>
Sent: Wednesday, August 01, 2012 8:53 AM
To: Jeremy Vienneau
Subject: RE: Blackhawk Dr

Please proceed with the SPLP analysis.

Thanks!

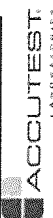
Tonya Balla

847 918-4091 office
847 528-2623 cell
t.balla@westonsolutions.com

From: Jeremy Vienneau [<mailto:jeremyv@accutest.com>]
Sent: Wednesday, August 01, 2012 7:28 AM
To: Balla, Tonya
Subject: RE: Blackhawk Dr

This is the invoice for your project. Thanks!

Jeremy Vienneau
Project Manager
Accutest Laboratories of NE
Voice: 508.481.6200 Ext. 217
Fax: 508.481.7753
jeremyv@accutest.com



"The National Testing Laboratory with Total Performance you can count on"

From: Balla, Tonya [<mailto:T.Balla@WestonSolutions.com>]
Sent: Wednesday, August 01, 2012 8:24 AM
To: Jeremy Vienneau
Subject: RE: Blackhawk Dr

Can u send me the invoices or total for this project so i can determine if i am under my po or if i would have to amend. The answer is 90% yes to proceed but that info will help.

Thanks

Sent via DroidX2 on Verizon Wireless™

-----Original message-----
From: Jeremy Vienneau <jeremyv@accutest.com>
To: "Balla, Tonya" <T.Balla@WestonSolutions.com>
Cc: Dorothy Ciesielski <dorothyv@accutest.com>
Sent: Tue, Jul 31, 2012 22:14:25 GMT+00:00
Subject: RE: Blackhawk Dr

1

MC11638R: Chain of Custody

Page 4 of 6

Hi Tonya,

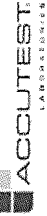
The costs for a standard turnaround time would be

SPLP Iron \$50 (SPLP Extraction \$35, Iron - \$10, Metals digestion - \$5)

SPLP Manganese \$50 (SPLP Extraction \$35, Manganese - \$10, Metals digestion - \$5)

Please let me know if you'd like these run. Thank you!

Jeremy Vienneau
Project Manager
Accutest Laboratories of NE
Voice: 508.481.6200 Ext. 217
Fax: 508.481.7753
jeremyv@accutest.com



"The National Testing Laboratory with Total Performance you can count on"

From: Balla, Tonya [<mailto:T.Balla@WestonSolutions.com>]

Sent: Tuesday, July 31, 2012 5:29 PM

To: Jeremy Vienneau

Subject: RE: Blackhawk Dr

Yeah on volume. I am not overly concerned about rush. Again, just those two parameters reported — iron on one and manganese for the other.

Thanks,

Tonya Balla

847.918-4094 office

847.528-2623 cell

T.balla@westonsolutions.com

From: Jeremy Vienneau [<mailto:jeremyv@accutest.com>]

Sent: Tuesday, July 31, 2012 4:27 PM

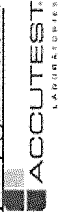
To: Balla, Tonya

Subject: RE: Blackhawk Dr

There is enough volume to run this. We can have the SPLP Extraction done tomorrow and run for SPLP metals the Thursday. If you are looking for the earliest rush. This would be a 2 day RUSH.

I am working on pricing for you. Thanks!

Jeremy Vienneau
Project Manager
Accutest Laboratories of NE
Voice: 508.481.6200 Ext. 217
Fax: 508.481.7753
jeremyv@accutest.com



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MC11638R: Chain of Custody
Page 6 of 6

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC11638R
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19451
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: mg/l

Prep Date: 08/07/12

Metal	RL	IDL	MDL	MB raw	final
Aluminum	0.20	.013	.021		
Antimony	0.0060	.0008	.0017		
Arsenic	0.010	.00099	.0019		
Barium	0.50	.00028	.00065		
Beryllium	0.0040	.00013	.00028		
Boron	0.10	.00058	.00059		
Cadmium	0.0040	.00019	.00021		
Calcium	5.0	.034	.017		
Chromium	0.010	.0006	.0011		
Cobalt	0.050	.00015	.0004		
Copper	0.025	.00085	.0017		
Gold	0.050	.0018	.0027		
Iron	0.10	.0042	.011	0.0063	<0.10
Lead	0.010	.0013	.0021		
Magnesium	5.0	.036	.06		
Manganese	0.015	.00005	.00054	0.00030	<0.015
Molybdenum	0.10	.00023	.0015		
Nickel	0.040	.00025	.0007		
Palladium	0.050	.0024	.0079		
Platinum	0.050	.0066	.0096		
Potassium	5.0	.045	.19		
Selenium	0.025	.0014	.002		
Silicon	0.10	.0048	.0084		
Silver	0.0050	.00069	.0013		
Sodium	5.0	.013	.04		
Strontium	0.010	.00011	.00035		
Thallium	0.0050	.00099	.0014		
Tin	0.10	.00034	.00091		
Titanium	0.050	.00055	.0011		
Tungsten	0.10	.0059	.014		
Vanadium	0.010	.00095	.0013		
Zinc	0.10	.00033	.004		

Associated samples MP19451: MC11638-8R, MC11638-9R

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC11638R
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19451
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: mg/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.1.1

6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11638R
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19451
 Matrix Type: LEACHATE

Methods: SW846 6010C
 Units: mg/l

Prep Date: 08/07/12

Metal	MC12328-31T Original MS		Spikelot MPICP	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	anr				
Barium					
Beryllium					
Boron					
Cadmium					
Calcium					
Chromium	anr				
Cobalt					
Copper					
Gold					
Iron	1.9	3.3	2.0	70.0 (a)	75-125
Lead	anr				
Magnesium					
Manganese	0.14	0.58	0.50	88.0	75-125
Molybdenum					
Nickel	anr				
Palladium					
Platinum					
Potassium					
Selenium					
Silicon					
Silver					
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Tungsten					
Vanadium					
Zinc					

Associated samples MP19451: MC11638-8R, MC11638-9R

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11638R
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19451
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: mg/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes

- (*) Outside of QC limits
- (N) Matrix Spike Rec. outside of QC limits
- (anr) Analyte not requested
- (a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11638R
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19451
 Matrix Type: LEACHATE

Methods: SW846 6010C
 Units: mg/l

Prep Date: 08/07/12

Metal	MC12328-31T Original	MSD	Spikelot MPICP	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	anr					
Barium						
Beryllium						
Boron						
Cadmium						
Calcium						
Chromium	anr					
Cobalt						
Copper						
Gold						
Iron	1.9	3.2	2.0	65.0 (a)	3.1	20
Lead	anr					
Magnesium						
Manganese	0.14	0.57	0.50	86.0	1.7	20
Molybdenum						
Nickel	anr					
Palladium						
Platinum						
Potassium						
Selenium						
Silicon						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Tungsten						
Vanadium						
Zinc						

Associated samples MP19451: MC11638-8R, MC11638-9R

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11638R
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19451
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: mg/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes

- (*) Outside of QC limits
- (N) Matrix Spike Rec. outside of QC limits
- (anr) Analyte not requested
- (a) Spike duplicate recovery indicates possible matrix interference and/or sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC11638R
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19451
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: mg/l

Prep Date:

08/07/12

08/07/12

Metal	BSP Result	Spikelot MPICP	% Rec	QC Limits	BSD Result	Spikelot MPICP	% Rec	BSD RPD	QC Limit
Aluminum									
Antimony									
Arsenic	anr								
Barium									
Beryllium									
Boron									
Cadmium									
Calcium									
Chromium	anr								
Cobalt									
Copper									
Gold									
Iron	2.0	2.0	100.0	80-120	1.9	2.0	95.0	5.1	20
Lead	anr								
Magnesium									
Manganese	0.49	0.50	98.0	80-120	0.48	0.50	96.0	2.1	20
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium									
Silicon									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Tungsten									
Vanadium									
Zinc									

Associated samples MP19451: MC11638-8R, MC11638-9R

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC11638R
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19451
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: mg/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.1.3

6

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC11638R
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19451
 Matrix Type: LEACHATE

Methods: SW846 6010C
 Units: ug/l

Prep Date: 08/07/12

Metal	MC12328-31T Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium				
Beryllium				
Boron				
Cadmium				
Calcium				
Chromium	anr			
Cobalt				
Copper				
Gold				
Iron	1940	1920	1.0	0-10
Lead	anr			
Magnesium				
Manganese	138	136	0.9	0-10
Molybdenum				
Nickel	anr			
Palladium				
Platinum				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				
Vanadium				
Zinc				

Associated samples MP19451: MC11638-8R, MC11638-9R

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC11638R
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19451
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.1.4
6

**BLACKHAWK DRIVE SITE
PARK FOREST, COOK COUNTY, ILLINOIS
DATA VALIDATION REPORT**

Date: July 12, 2012

Laboratory: Accutest Laboratories (Accutest), Marlborough, Massachusetts

Laboratory Project #: MC11739

Data Validation Performed By: Lisa Graczyk, Weston Solutions, Inc. (WESTON®) Superfund Technical Assessment and Response Team (START)

Weston Work Order #: 20405.012.008.1802.00

This data validation report has been prepared by WESTON START under the START III Region V contract. This report documents the data validation for four ground water samples collected for the Blackhawk Drive Site that were analyzed for the following parameters and U.S. Environmental Protection Agency (U.S. EPA) methods:

- Volatile Organic Compounds (VOC) by SW-846 Method 8260B
- Semivolatile Organic Carbons (SVOC) by SW-846 Method 8270C
- Metals by SW-846 Methods 6010C and 7470A

A level II data package was requested from Accutest. The data validation was conducted in general accordance with the U.S. EPA “Contract Laboratory Program National Functional Guidance for Superfund Organic Methods Data Review” dated June 2008 and “Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review” dated January 2010. The Attachment contains the results summary sheets with the hand-written qualifiers applied during data validation.

VOCs by SW-846 METHOD 8260B

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
BH-MW02-062212	MC11739-1	Water	6/22/2012	7/2/2012
BH-MW01-062212	MC11739-2	Water	6/22/2012	7/2/2012
BH-MW01-062212D	MC11739-3	Water	6/22/2012	7/2/2012
BH-MW03-062212	MC11739-4	Water	6/22/2012	7/2/2012

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection.

3. Blanks

A method blank was analyzed with the VOC analyses and was free of target compound contamination above the reporting limit.

4. Surrogate Results

The surrogate recovery results were within the laboratory-established quality control (QC) limits.

5. Laboratory Control Sample (LCS) Results

The LCS recoveries were within laboratory QC limits.

6. Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results

A site-specific MS and MSD was analyzed with this work order using sample BH-MW03-062212 as the spiked sample. Recoveries and relative percent differences (RPD) were within QC limits except for as follows. Bromomethane and chloromethane were detected low in the MS and/or MSD. In sample BH-MW03-062212, the quantitation limits for bromomethane and chloromethane were flagged "UJ" as estimated due to potential matrix interference with these compounds.

7. Field Duplicate Results

Sample BH-MW01-062212D is a field duplicate of sample BH-MW01-062212. Sample BH-MW01-062212 contained no detections of VOCs; however, the field duplicate contained acetone at 8.1 micrograms per liter ($\mu\text{g/L}$). There may be sample heterogeneity between the samples associated with acetone. Acetone can be a laboratory contaminant; however, there is no evidence to support this in the QC data received.

8. Overall Assessment

The VOC data are acceptable for use as qualified based on the information received.

SVOCs BY SW-846 METHOD 8270C

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
BH-MW02-062212	MC11739-1	Water	6/22/2012	6/28/2012	7/9/2012
BH-MW01-062212	MC11739-2	Water	6/22/2012	6/28/2012	7/9/2012
BH-MW01-062212D	MC11739-3	Water	6/22/2012	6/28/2012	7/9/2012
BH-MW03-062212	MC11739-4	Water	6/22/2012	6/28/2012	7/9/2012

2. Holding Times

The samples were analyzed within the required holding time limit of 7 days from sample collection to extraction and 40 days from extraction to analysis.

3. Blanks

Method blanks were analyzed with the SVOC analyses. The method blanks were free of target compound contamination above the reporting limits. Di-n-butyl phthalate was detected below the reporting limit at 0.54 $\mu\text{g/L}$ in the method blank. Because the sample results for this compound were also detected below the reporting limit and at a similar concentration, all di-n-butyl phthalate results were flagged "U" as not detected.

4. Surrogate Results

The surrogate recoveries were within the laboratory-established QC limits.

5. LCS Results

The percent recoveries for the LCS results were within the laboratory-established QC limits.

6. MS and MSD Results

A site-specific MS and MSD were analyzed using sample BH-MW03-062212 as the spiked sample. The percent recoveries and RPDs were with QC limits except for as follows.

2,4-Dinitrophenol and 4,6-Dinitro-o-cresol were detected high in the MS and MSD. Because these compounds weren't detected in the samples, no qualification is required.

7. Field Duplicate Results

Sample BH-MW01-062212D is a field duplicate of sample BH-MW01-062212. The RPDs were calculated for detected SVOCs. The RPDs were less than a standard QC limit of 50 RPD indicating good correlation between the field duplicate and investigative sample.

8. Overall Assessment

Accutest flagged several SVOC results with a "J" to indicate that the result is below the reporting limit and is considered estimated. These flags are accepted.

The SVOC data are acceptable for use as qualified based on the information received.

TOTAL METALS BY SW-846 METHODS 6010 AND 7470

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
BH-MW02-062212	MC11739-1	Water	6/22/2012	6/28/2012 – 6/29/2012
BH-MW01-062212	MC11739-2	Water	6/22/2012	6/28/2012 – 6/29/2012
BH-MW01-062212D	MC11739-3	Water	6/22/2012	6/28/2012 – 6/29/2012
BH-MW03-062212	MC11739-4	Water	6/22/2012	6/28/2012 – 6/29/2012

2. Holding Times

The samples were analyzed within the required holding time limit of 28 days from sample collection to analysis for mercury and 180 days from sample collection to analysis for all other metals.

3. Blank Results

Method blanks were analyzed with the metals analysis. The blanks were free of target analyte contamination above the reporting limits.

4. LCS Results

The LCS recoveries were within the laboratory-established QC limits.

5. MS and MSD Results

Site-specific MS and MSDs were analyzed. The percent recoveries and RPDs were with QC limits.

6. Field Duplicate Results

Sample BH-MW01-062212D is a field duplicate of sample BH-MW01-062212. The RPDs were calculated for detected SVOCs. The RPDs were less than a standard QC limit of 50 RPD, except for zinc, indicating general good correlation between the field duplicate and investigative sample. For zinc, the RPD was 88 percent which indicates some sample heterogeneity associated with zinc.

Data Validation Report
Blackhawk Drive Site
Accutest Laboratories
Laboratory Project #: MC11739

7. Overall Assessment

For results detected below the reporting limit, the laboratory flagged the results with a “B” to indicate that the result is estimated. These flags are accepted.

The metals data are acceptable for use as qualified based on the information received.

Data Validation Report
Blackhawk Drive Site
Accutest Laboratories
Laboratory Project #: MC11739

ATTACHMENT

**ACCUTEST LABORATORIES
RESULTS SUMMARY WITH QUALIFIERS**

Report of Analysis

Client Sample ID:	BH-MW02-062212	Date Sampled:	06/22/12
Lab Sample ID:	MC11739-1	Date Received:	06/23/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P62373.D	1	07/02/12	TT	n/a	n/a	MSP2033
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	11.9	5.0	3.0	ug/l	
71-43-2	Benzene	ND	0.50	0.24	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.58	ug/l	
75-25-2	Bromoform	ND	1.0	0.78	ug/l	
74-83-9	Bromomethane	ND	2.0	1.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.61	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.87	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.47	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	0.73	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.53	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.62	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.63	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.41	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.64	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.95	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.72	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.51	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	2.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.83	ug/l	
100-42-5	Styrene	ND	5.0	0.45	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.60	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.42	ug/l	
108-88-3	Toluene	ND	1.0	0.51	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.85	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.78	ug/l	

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-MW02-062212	
Lab Sample ID: MC11739-1	Date Sampled: 06/22/12
Matrix: AQ - Ground Water	Date Received: 06/23/12
Method: SW846 8260B	Percent Solids: n/a
Project: Blackhawk Drive - BA, Forest Park, IL	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.63	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.58	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		70-130%
2037-26-5	Toluene-D8	101%		70-130%
460-00-4	4-Bromofluorobenzene	90%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-MW02-062212	Date Sampled:	06/22/12
Lab Sample ID:	MC11739-1	Date Received:	06/23/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F55868.D	1	07/09/12	KR	06/28/12	OP29416	MSF2668
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.40	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	10	0.38	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	0.37	ug/l	
105-67-9	2,4-Dimethylphenol	ND	10	2.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	1.4	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	10	0.60	ug/l	
	3&4-Methylphenol	ND	10	0.75	ug/l	
88-75-5	2-Nitrophenol	ND	10	0.47	ug/l	
100-02-7	4-Nitrophenol	ND	20	2.8	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.64	ug/l	
108-95-2	Phenol	ND	5.0	0.93	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	10	0.49	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	0.35	ug/l	
83-32-9	Acenaphthene	ND	2.0	0.20	ug/l	
208-96-8	Acenaphthylene	ND	2.0	0.15	ug/l	
120-12-7	Anthracene	ND	2.0	0.22	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	0.22	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.20	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	0.30	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.26	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.33	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	0.27	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.18	ug/l	
106-47-8	4-Chloroaniline	ND	10	0.63	ug/l	
86-74-8	Carbazole	ND	2.0	0.18	ug/l	
218-01-9	Chrysene	ND	2.0	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.22	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.38	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.28	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.29	ug/l	

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-MW02-062212
 Lab Sample ID: MC11739-1
 Matrix: AQ - Ground Water
 Method: SW846 8270C SW846 3510C
 Project: Blackhawk Drive - BA, Forest Park, IL

Date Sampled: 06/22/12

Date Received: 06/23/12

Percent Solids: n/a

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.0	0.28	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	0.17	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	0.21	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	0.21	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.89	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.21	ug/l	
132-64-9	Dibenzofuran	0.26	2.0	0.21	ug/l	J
84-74-2	Di-n-butyl phthalate	1.1 U	5.0	0.36	ug/l	J
117-84-0	Di-n-octyl phthalate	ND	5.0	0.24	ug/l	
84-66-2	Diethyl phthalate	0.86	5.0	0.19	ug/l	J
131-11-3	Dimethyl phthalate	ND	5.0	5.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	0.61	2.0	0.38	ug/l	J
206-44-0	Fluoranthene	ND	2.0	0.23	ug/l	
86-73-7	Fluorene	0.46	2.0	0.23	ug/l	J
118-74-1	Hexachlorobenzene	ND	5.0	0.25	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.33	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	5.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.22	ug/l	
78-59-1	Isophorone	ND	5.0	0.32	ug/l	
91-57-6	2-Methylnaphthalene	0.31	2.0	0.20	ug/l	J
88-74-4	2-Nitroaniline	ND	10	0.23	ug/l	
99-09-2	3-Nitroaniline	ND	10	0.25	ug/l	
100-01-6	4-Nitroaniline	ND	10	2.0	ug/l	
91-20-3	Naphthalene	ND	2.0	0.22	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.24	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.28	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.44	ug/l	
85-01-8	Phenanthrene	0.61	2.0	0.22	ug/l	J
129-00-0	Pyrene	ND	2.0	0.25	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	41%		15-110%
4165-62-2	Phenol-d5	44%		15-110%
118-79-6	2,4,6-Tribromophenol	82%		15-110%
4165-60-0	Nitrobenzene-d5	67%		30-130%
321-60-8	2-Fluorobiphenyl	66%		30-130%

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-MW02-062212	Date Sampled: 06/22/12
Lab Sample ID: MC11739-1	Date Received: 06/23/12
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8270C SW846 3510C	
Project: Blackhawk Drive - BA, Forest Park, IL	

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	94%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-MW02-062212

Lab Sample ID: MC11739-1

Matrix: AQ - Ground Water

Date Sampled: 06/22/12

Date Received: 06/23/12

Percent Solids: n/a

Project: Blackhawk Drive - BA, Forest Park, IL

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	410	200	21	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Antimony	1.7 U	6.0	1.7	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Arsenic	1.9 U	4.0	1.9	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Barium	292	50	0.65	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Beryllium	0.28 U	4.0	0.28	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Cadmium	0.21 U	4.0	0.21	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Calcium	293000	5000	17	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Chromium	1.8 B	10	1.1	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Cobalt	2.5 B	50	0.40	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Copper	2.1 B	25	1.7	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Iron	907	100	11	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Lead	2.1 U	5.0	2.1	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Magnesium	99700	5000	60	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Manganese	171	15	0.54	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Mercury	0.062 U	0.20	0.062	ug/l	1	06/27/12	06/28/12 EM	SW846 7470A ¹	SW846 7470A ³
Nickel	8.9 B	40	0.70	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Potassium	8740	5000	190	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Selenium	2.6 B	10	2.0	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Silver	1.3 U	5.0	1.3	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Sodium	26800	5000	40	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Thallium	1.4 U	2.0	1.4	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Vanadium	1.3 U	10	1.3	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Zinc	26.4	20	4.0	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴

(1) Instrument QC Batch: MA14420

(2) Instrument QC Batch: MA14431

(3) Prep QC Batch: MP19235

(4) Prep QC Batch: MP19238

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result >= MDL but < RL

Report of Analysis

Client Sample ID:	BH-MW01-062212	Date Sampled:	06/22/12
Lab Sample ID:	MC11739-2	Date Received:	06/23/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P62374.D	1	07/02/12	TT	n/a	n/a	MSP2033
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.0	ug/l	
71-43-2	Benzene	ND	0.50	0.24	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.58	ug/l	
75-25-2	Bromoform	ND	1.0	0.78	ug/l	
74-83-9	Bromomethane	ND	2.0	1.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.61	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.87	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.47	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	0.73	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.53	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.62	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.63	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.41	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.64	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.95	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.72	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.51	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	2.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.83	ug/l	
100-42-5	Styrene	ND	5.0	0.45	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.60	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.42	ug/l	
108-88-3	Toluene	ND	1.0	0.51	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.85	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.78	ug/l	

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID: BH-MW01-062212	
Lab Sample ID: MC11739-2	Date Sampled: 06/22/12
Matrix: AQ - Ground Water	Date Received: 06/23/12
Method: SW846 8260B	Percent Solids: n/a
Project: Blackhawk Drive - BA, Forest Park, IL	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.63	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.58	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	91%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-MW01-062212	Date Sampled:	06/22/12
Lab Sample ID:	MC11739-2	Date Received:	06/23/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F55869.D	1	07/09/12	KR	06/28/12	OP29416	MSF2668
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.40	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	10	0.38	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	0.37	ug/l	
105-67-9	2,4-Dimethylphenol	ND	10	2.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	1.4	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	10	0.60	ug/l	
	3&4-Methylphenol	ND	10	0.75	ug/l	
88-75-5	2-Nitrophenol	ND	10	0.47	ug/l	
100-02-7	4-Nitrophenol	ND	20	2.8	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.64	ug/l	
108-95-2	Phenol	ND	5.0	0.93	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	10	0.49	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	0.35	ug/l	
83-32-9	Acenaphthene	ND	2.0	0.20	ug/l	
208-96-8	Acenaphthylene	ND	2.0	0.15	ug/l	
120-12-7	Anthracene	ND	2.0	0.22	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	0.22	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.20	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	0.30	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.26	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.33	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	0.27	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.18	ug/l	
106-47-8	4-Chloroaniline	ND	10	0.63	ug/l	
86-74-8	Carbazole	ND	2.0	0.18	ug/l	
218-01-9	Chrysene	ND	2.0	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.22	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.38	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.28	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.29	ug/l	

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-MW01-062212	Date Sampled:	06/22/12
Lab Sample ID:	MC11739-2	Date Received:	06/23/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.0	0.28	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	0.17	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	0.21	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	0.21	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.89	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.21	ug/l	
132-64-9	Dibenzofuran	0.30	2.0	0.21	ug/l	J
84-74-2	Di-n-butyl phthalate	0.99 U	5.0	0.36	ug/l	J
117-84-0	Di-n-octyl phthalate	ND	5.0	0.24	ug/l	
84-66-2	Diethyl phthalate	0.71	5.0	0.19	ug/l	J
131-11-3	Dimethyl phthalate	ND	5.0	5.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.38	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.23	ug/l	
86-73-7	Fluorene	0.45	2.0	0.23	ug/l	J
118-74-1	Hexachlorobenzene	ND	5.0	0.25	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.33	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	5.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.22	ug/l	
78-59-1	Isophorone	ND	5.0	0.32	ug/l	
91-57-6	2-Methylnaphthalene	0.72	2.0	0.20	ug/l	J
88-74-4	2-Nitroaniline	ND	10	0.23	ug/l	
99-09-2	3-Nitroaniline	ND	10	0.25	ug/l	
100-01-6	4-Nitroaniline	ND	10	2.0	ug/l	
91-20-3	Naphthalene	0.31	2.0	0.22	ug/l	J
98-95-3	Nitrobenzene	ND	5.0	0.24	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.28	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.44	ug/l	
85-01-8	Phenanthrene	0.54	2.0	0.22	ug/l	J
129-00-0	Pyrene	ND	2.0	0.25	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		15-110%
4165-62-2	Phenol-d5	36%		15-110%
118-79-6	2,4,6-Tribromophenol	87%		15-110%
4165-60-0	Nitrobenzene-d5	70%		30-130%
321-60-8	2-Fluorobiphenyl	67%		30-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-MW01-062212	Date Sampled: 06/22/12
Lab Sample ID: MC11739-2	Date Received: 06/23/12
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8270C SW846 3510C	
Project: Blackhawk Drive - BA, Forest Park, IL	

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	92%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-MW01-062212

Lab Sample ID: MC11739-2

Matrix: AQ - Ground Water

Date Sampled: 06/22/12

Date Received: 06/23/12

Percent Solids: n/a

Project: Blackhawk Drive - BA, Forest Park, IL

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	260	200	21	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Antimony	1.7 U	6.0	1.7	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Arsenic	1.9 U	4.0	1.9	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Barium	121	50	0.65	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Beryllium	0.28 U	4.0	0.28	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Cadmium	0.21 U	4.0	0.21	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Calcium	195000	5000	17	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Chromium	1.1 U	10	1.1	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Cobalt	2.0 B	50	0.40	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Copper	3.7 B	25	1.7	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Iron	2720	100	11	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Lead	2.1 U	5.0	2.1	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Magnesium	47100	5000	60	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Manganese	605	15	0.54	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Mercury	0.071 B	0.20	0.062	ug/l	1	06/27/12	06/28/12 EM	SW846 7470A ¹	SW846 7470A ³
Nickel	5.7 B	40	0.70	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Potassium	2720 B	5000	190	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Selenium	2.0 U	10	2.0	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Silver	1.3 U	5.0	1.3	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Sodium	61200	5000	40	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Thallium	1.4 U	2.0	1.4	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Vanadium	1.3 U	10	1.3	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Zinc	13.8 B	20	4.0	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴

(1) Instrument QC Batch: MA14420

(2) Instrument QC Batch: MA14431

(3) Prep QC Batch: MP19235

(4) Prep QC Batch: MP19238

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result >= MDL but < RL

Report of Analysis

Client Sample ID: BH-MW01-062212D

Lab Sample ID: MC11739-3

Date Sampled: 06/22/12

Matrix: AQ - Ground Water

Date Received: 06/23/12

Method: SW846 8260B

Percent Solids: n/a

Project: Blackhawk Drive - BA, Forest Park, IL

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P62375.D	1	07/02/12	TT	n/a	n/a	MSP2033
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	8.1	5.0	3.0	ug/l	
71-43-2	Benzene	ND	0.50	0.24	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.58	ug/l	
75-25-2	Bromoform	ND	1.0	0.78	ug/l	
74-83-9	Bromomethane	ND	2.0	1.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.61	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.87	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.47	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	0.73	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.53	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.62	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.63	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.41	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.64	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.95	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.72	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.51	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	2.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.83	ug/l	
100-42-5	Styrene	ND	5.0	0.45	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.60	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.42	ug/l	
108-88-3	Toluene	ND	1.0	0.51	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.85	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.78	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-MW01-062212D	
Lab Sample ID: MC11739-3	Date Sampled: 06/22/12
Matrix: AQ - Ground Water	Date Received: 06/23/12
Method: SW846 8260B	Percent Solids: n/a
Project: Blackhawk Drive - BA, Forest Park, IL	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.63	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.58	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	118%		70-130%
2037-26-5	Toluene-D8	109%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-MW01-062212D	Date Sampled:	06/22/12
Lab Sample ID:	MC11739-3	Date Received:	06/23/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F55871.D	1	07/09/12	KR	06/28/12	OP29416	MSF2668
Run #2							

Run #	Initial Volume	Final Volume
Run #1	890 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.6	0.45	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	11	0.42	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	0.42	ug/l	
105-67-9	2,4-Dimethylphenol	ND	11	3.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	1.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	5.6	ug/l	
95-48-7	2-Methylphenol	ND	11	0.68	ug/l	
	3&4-Methylphenol	ND	11	0.85	ug/l	
88-75-5	2-Nitrophenol	ND	11	0.53	ug/l	
100-02-7	4-Nitrophenol	ND	22	3.1	ug/l	
87-86-5	Pentachlorophenol	ND	11	0.72	ug/l	
108-95-2	Phenol	ND	5.6	1.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	11	0.55	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	0.40	ug/l	
83-32-9	Acenaphthene	ND	2.2	0.22	ug/l	
208-96-8	Acenaphthylene	ND	2.2	0.17	ug/l	
120-12-7	Anthracene	ND	2.2	0.25	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.2	0.24	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.2	0.23	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.2	0.23	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.2	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.2	0.29	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.6	0.37	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.6	0.30	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.6	0.20	ug/l	
106-47-8	4-Chloroaniline	ND	11	0.71	ug/l	
86-74-8	Carbazole	ND	2.2	0.21	ug/l	
218-01-9	Chrysene	ND	2.2	0.30	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.6	0.24	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.6	0.42	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.6	0.32	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.6	0.33	ug/l	

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-MW01-062212D
 Lab Sample ID: MC11739-3
 Matrix: AQ - Ground Water
 Method: SW846 8270C SW846 3510C
 Project: Blackhawk Drive - BA, Forest Park, IL

Date Sampled: 06/22/12
 Date Received: 06/23/12
 Percent Solids: n/a

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.6	0.31	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.6	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.6	0.23	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	2.2	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	0.23	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.6	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.2	0.24	ug/l	
132-64-9	Dibenzofuran	ND	2.2	0.24	ug/l	
84-74-2	Di-n-butyl phthalate	0.93	5.6	0.40	ug/l	J
117-84-0	Di-n-octyl phthalate	ND	5.6	0.27	ug/l	
84-66-2	Diethyl phthalate	0.51	5.6	0.21	ug/l	J
131-11-3	Dimethyl phthalate	ND	5.6	5.6	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	0.45	2.2	0.42	ug/l	J
206-44-0	Fluoranthene	ND	2.2	0.25	ug/l	
86-73-7	Fluorene	0.31	2.2	0.26	ug/l	J
118-74-1	Hexachlorobenzene	ND	5.6	0.28	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.6	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	5.6	ug/l	
67-72-1	Hexachloroethane	ND	5.6	2.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.2	0.25	ug/l	
78-59-1	Isophorone	ND	5.6	0.36	ug/l	
91-57-6	2-Methylnaphthalene	0.54	2.2	0.22	ug/l	J
88-74-4	2-Nitroaniline	ND	11	0.25	ug/l	
99-09-2	3-Nitroaniline	ND	11	0.28	ug/l	
100-01-6	4-Nitroaniline	ND	11	2.2	ug/l	
91-20-3	Naphthalene	ND	2.2	0.25	ug/l	
98-95-3	Nitrobenzene	ND	5.6	0.27	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.6	0.31	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.6	0.49	ug/l	
85-01-8	Phenanthrene	0.45	2.2	0.24	ug/l	J
129-00-0	Pyrene	ND	2.2	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		15-110%
4165-62-2	Phenol-d5	44%		15-110%
118-79-6	2,4,6-Tribromophenol	81%		15-110%
4165-60-0	Nitrobenzene-d5	67%		30-130%
321-60-8	2-Fluorobiphenyl	65%		30-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-MW01-062212D	Date Sampled: 06/22/12
Lab Sample ID: MC11739-3	Date Received: 06/23/12
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8270C SW846 3510C	
Project: Blackhawk Drive - BA, Forest Park, IL	

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	92%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-MW01-062212D

Lab Sample ID: MC11739-3

Matrix: AQ - Ground Water

Date Sampled: 06/22/12

Date Received: 06/23/12

Percent Solids: n/a

Project: Blackhawk Drive - BA, Forest Park, IL

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	295	200	21	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Antimony	1.7 U	6.0	1.7	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Arsenic	1.9 U	4.0	1.9	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Barium	123	50	0.65	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Beryllium	0.28 U	4.0	0.28	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Cadmium	0.21 U	4.0	0.21	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Calcium	199000	5000	17	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Chromium	1.1 U	10	1.1	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Cobalt	2.0 B	50	0.40	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Copper	3.5 B	25	1.7	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Iron	2870	100	11	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Lead	2.1 U	5.0	2.1	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Magnesium	47900	5000	60	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Manganese	619	15	0.54	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Mercury	0.070 B	0.20	0.062	ug/l	1	06/27/12	06/28/12 EM	SW846 7470A ¹	SW846 7470A ³
Nickel	5.8 B	40	0.70	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Potassium	2720 B	5000	190	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Selenium	2.0 U	10	2.0	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Silver	1.3 U	5.0	1.3	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Sodium	62300	5000	40	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Thallium	1.4 U	2.0	1.4	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Vanadium	1.3 U	10	1.3	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Zinc	5.4 B	20	4.0	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴

(1) Instrument QC Batch: MA14420

(2) Instrument QC Batch: MA14431

(3) Prep QC Batch: MP19235

(4) Prep QC Batch: MP19238

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result >= MDL but < RL

Report of Analysis

Client Sample ID: BH-MW03-062212
 Lab Sample ID: MC11739-4
 Matrix: AQ - Ground Water
 Method: SW846 8260B
 Project: Blackhawk Drive - BA, Forest Park, IL

Date Sampled: 06/22/12
 Date Received: 06/23/12
 Percent Solids: n/a

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P62376.D	1	07/02/12	TT	n/a	n/a	MSP2033
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.0	ug/l	
71-43-2	Benzene	ND	0.50	0.24	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.58	ug/l	
75-25-2	Bromoform	ND	1.0	0.78	ug/l	
74-83-9	Bromomethane	ND	2.0	1.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.61	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.87	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.47	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	0.73	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.53	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.62	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.63	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.41	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.64	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.95	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.72	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.51	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	2.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.83	ug/l	
100-42-5	Styrene	ND	5.0	0.45	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.60	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.42	ug/l	
108-88-3	Toluene	ND	1.0	0.51	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.85	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.78	ug/l	

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

2 J
 7/12/12

Report of Analysis

Page 2 of 2

Client Sample ID: BH-MW03-062212	
Lab Sample ID: MC11739-4	Date Sampled: 06/22/12
Matrix: AQ - Ground Water	Date Received: 06/23/12
Method: SW846 8260B	Percent Solids: n/a
Project: Blackhawk Drive - BA, Forest Park, IL	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.63	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.58	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	114%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	92%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-MW03-062212
 Lab Sample ID: MC11739-4
 Matrix: AQ - Ground Water
 Method: SW846 8270C SW846 3510C
 Project: Blackhawk Drive - BA, Forest Park, IL

Date Sampled: 06/22/12
 Date Received: 06/23/12
 Percent Solids: n/a

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F55867.D	1	07/09/12	KR	06/28/12	OP29416	MSF2668
Run #2							

Run #	Initial Volume	Final Volume
Run #1	920 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.4	0.44	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	11	0.41	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	0.41	ug/l	
105-67-9	2,4-Dimethylphenol	ND	11	3.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	1.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	5.4	ug/l	
95-48-7	2-Methylphenol	ND	11	0.66	ug/l	
	3&4-Methylphenol	ND	11	0.82	ug/l	
88-75-5	2-Nitrophenol	ND	11	0.51	ug/l	
100-02-7	4-Nitrophenol	ND	22	3.0	ug/l	
87-86-5	Pentachlorophenol	ND	11	0.69	ug/l	
108-95-2	Phenol	ND	5.4	1.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	11	0.53	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	0.38	ug/l	
83-32-9	Acenaphthene	ND	2.2	0.22	ug/l	
208-96-8	Acenaphthylene	ND	2.2	0.16	ug/l	
120-12-7	Anthracene	ND	2.2	0.24	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.2	0.24	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.2	0.23	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.2	0.22	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.2	0.33	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.2	0.28	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.4	0.36	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.4	0.29	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.4	0.19	ug/l	
106-47-8	4-Chloroaniline	ND	11	0.69	ug/l	
86-74-8	Carbazole	ND	2.2	0.20	ug/l	
218-01-9	Chrysene	ND	2.2	0.29	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.4	0.24	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.4	0.41	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.4	0.31	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.4	0.32	ug/l	

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-MW03-062212	Date Sampled:	06/22/12
Lab Sample ID:	MC11739-4	Date Received:	06/23/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.4	0.30	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.4	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.4	0.22	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	2.2	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	0.23	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.4	0.97	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.2	0.23	ug/l	
132-64-9	Dibenzofuran	ND	2.2	0.23	ug/l	
84-74-2	Di-n-butyl phthalate	0.71 U	5.4	0.39	ug/l	J
117-84-0	Di-n-octyl phthalate	ND	5.4	0.26	ug/l	
84-66-2	Diethyl phthalate	ND	5.4	0.21	ug/l	
131-11-3	Dimethyl phthalate	ND	5.4	5.4	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	0.41	ug/l	
206-44-0	Fluoranthene	ND	2.2	0.24	ug/l	
86-73-7	Fluorene	ND	2.2	0.25	ug/l	
118-74-1	Hexachlorobenzene	ND	5.4	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.4	0.36	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	5.4	ug/l	
67-72-1	Hexachloroethane	ND	5.4	2.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.2	0.24	ug/l	
78-59-1	Isophorone	ND	5.4	0.35	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.2	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	11	0.25	ug/l	
99-09-2	3-Nitroaniline	ND	11	0.28	ug/l	
100-01-6	4-Nitroaniline	ND	11	2.2	ug/l	
91-20-3	Naphthalene	ND	2.2	0.24	ug/l	
98-95-3	Nitrobenzene	ND	5.4	0.26	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.4	0.30	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.4	0.47	ug/l	
85-01-8	Phenanthrene	ND	2.2	0.24	ug/l	
129-00-0	Pyrene	ND	2.2	0.27	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.4	0.21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%		15-110%
4165-62-2	Phenol-d5	32%		15-110%
118-79-6	2,4,6-Tribromophenol	84%		15-110%
4165-60-0	Nitrobenzene-d5	66%		30-130%
321-60-8	2-Fluorobiphenyl	66%		30-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-MW03-062212	Date Sampled:	06/22/12
Lab Sample ID:	MC11739-4	Date Received:	06/23/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	98%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-MW03-062212

Lab Sample ID: MC11739-4

Matrix: AQ - Ground Water

Date Sampled: 06/22/12

Date Received: 06/23/12

Percent Solids: n/a

Project: Blackhawk Drive - BA, Forest Park, IL

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	295	200	21	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Antimony	1.7 U	6.0	1.7	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Arsenic	1.9 U	4.0	1.9	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Barium	41.3 B	50	0.65	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Beryllium	0.28 U	4.0	0.28	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Cadmium	0.30 B	4.0	0.21	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Calcium	93300	5000	17	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Chromium	1.1 U	10	1.1	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Cobalt	0.40 B	50	0.40	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Copper	1.7 U	25	1.7	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Iron	210	100	11	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Lead	2.1 U	5.0	2.1	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Magnesium	42900	5000	60	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Manganese	42.4	15	0.54	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Mercury	0.062 U	0.20	0.062	ug/l	1	06/27/12	06/28/12 EM	SW846 7470A ¹	SW846 7470A ³
Nickel	0.90 B	40	0.70	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Potassium	2080 B	5000	190	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Selenium	2.0 B	10	2.0	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Silver	1.3 U	5.0	1.3	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Sodium	144000	5000	40	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Thallium	1.4 U	2.0	1.4	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Vanadium	1.3 U	10	1.3	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Zinc	8.9 B	20	4.0	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴

(1) Instrument QC Batch: MA14420

(2) Instrument QC Batch: MA14431

(3) Prep QC Batch: MP19235

(4) Prep QC Batch: MP19238

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result >= MDL but < RL



07/09/12

Technical Report for

Weston Solutions, Inc.

Blackhawk Drive - BA, Forest Park, IL

Accutest Job Number: MC11739

Sampling Date: 06/22/12

Report to:

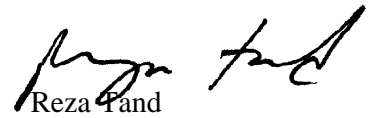
Weston Solutions, Inc.
750 East Bunker Court Suite 500
Vernon Hills, IL 60061
T.balla@westonsolutions.com

ATTN: Tonya Balla

Total number of pages in report: **67**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.


Reza Pand
Lab Director

Client Service contact: Jeremy Vienneau 508-481-6200

Certifications: MA (M-MA136, SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) ISO 17025:2005 (L2235)

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Test results relate only to samples analyzed.

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Sample Summary

Weston Solutions, Inc.

Job No: MC11739

Blackhawk Drive - BA, Forest Park, IL

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
MC11739-1	06/22/12	10:05 JL	06/23/12	AQ	Ground Water	BH-MW02-062212
MC11739-2	06/22/12	11:30 JL	06/23/12	AQ	Ground Water	BH-MW01-062212
MC11739-3	06/22/12	11:30 JL	06/23/12	AQ	Ground Water	BH-MW01-062212D
MC11739-4	06/22/12	13:05 JL	06/23/12	AQ	Ground Water	BH-MW03-062212
MC11739-4D	06/22/12	13:05 JL	06/23/12	AQ	Water Dup/MSD	BH-MW03-062212
MC11739-4S	06/22/12	13:05 JL	06/23/12	AQ	Water Matrix Spike	BH-MW03-062212

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Weston Solutions, Inc.

Job No MC11739

Site: Blackhawk Drive - BA, Forest Park, IL

Report Date 7/9/2012 5:52:23 PM

4 Sample(s) were collected on 06/22/2012 and were received at Accutest on 06/23/2012 properly preserved, at 1.6 Deg. C and intact. These Samples received an Accutest job number of MC11739. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix AQ	Batch ID: MSP2033
------------------	--------------------------

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC11739-4MS, MC11739-4MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Bromomethane, Chloromethane are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- Matrix Spike Duplicate Recovery(s) for Bromomethane are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.

Extractables by GCMS By Method SW846 8270C

Matrix AQ	Batch ID: OP29416
------------------	--------------------------

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC11739-4MS, MC11739-4MSD were used as the QC samples indicated.
- MS/MSD Recovery(s) for 2,4-Dinitrophenol, 4,6-Dinitro-o-cresol are outside control limits. Outside control limits due to possible matrix interference. Confirmed by MS/MSD.

Metals By Method SW846 6010C

Matrix AQ	Batch ID: MP19238
------------------	--------------------------

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC11739-4MS, MC11739-4MSD, MC11739-4SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Aluminum, Cadmium, Chromium, Cobalt, Lead, Nickel, Selenium, Zinc are outside control limits for sample MP19238-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals By Method SW846 7470A**Matrix** AQ**Batch ID:** MP19235

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC11739-4MS, MC11739-4MSD were used as the QC samples for metals.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report (MC11739).

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	BH-MW02-062212	Date Sampled:	06/22/12
Lab Sample ID:	MC11739-1	Date Received:	06/23/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P62373.D	1	07/02/12	TT	n/a	n/a	MSP2033
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	11.9	5.0	3.0	ug/l	
71-43-2	Benzene	ND	0.50	0.24	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.58	ug/l	
75-25-2	Bromoform	ND	1.0	0.78	ug/l	
74-83-9	Bromomethane	ND	2.0	1.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.61	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.87	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.47	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	0.73	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.53	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.62	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.63	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.41	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.64	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.95	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.72	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.51	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	2.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.83	ug/l	
100-42-5	Styrene	ND	5.0	0.45	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.60	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.42	ug/l	
108-88-3	Toluene	ND	1.0	0.51	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.85	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.78	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-MW02-062212	Date Sampled:	06/22/12
Lab Sample ID:	MC11739-1	Date Received:	06/23/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.63	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.58	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		70-130%
2037-26-5	Toluene-D8	101%		70-130%
460-00-4	4-Bromofluorobenzene	90%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-MW02-062212	Date Sampled:	06/22/12
Lab Sample ID:	MC11739-1	Date Received:	06/23/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F55868.D	1	07/09/12	KR	06/28/12	OP29416	MSF2668
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.40	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	10	0.38	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	0.37	ug/l	
105-67-9	2,4-Dimethylphenol	ND	10	2.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	1.4	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	10	0.60	ug/l	
	3&4-Methylphenol	ND	10	0.75	ug/l	
88-75-5	2-Nitrophenol	ND	10	0.47	ug/l	
100-02-7	4-Nitrophenol	ND	20	2.8	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.64	ug/l	
108-95-2	Phenol	ND	5.0	0.93	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	10	0.49	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	0.35	ug/l	
83-32-9	Acenaphthene	ND	2.0	0.20	ug/l	
208-96-8	Acenaphthylene	ND	2.0	0.15	ug/l	
120-12-7	Anthracene	ND	2.0	0.22	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	0.22	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.20	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	0.30	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.26	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.33	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	0.27	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.18	ug/l	
106-47-8	4-Chloroaniline	ND	10	0.63	ug/l	
86-74-8	Carbazole	ND	2.0	0.18	ug/l	
218-01-9	Chrysene	ND	2.0	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.22	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.38	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.28	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.29	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-MW02-062212	Date Sampled:	06/22/12
Lab Sample ID:	MC11739-1	Date Received:	06/23/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.0	0.28	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	0.17	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	0.21	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	0.21	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.89	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.21	ug/l	
132-64-9	Dibenzofuran	0.26	2.0	0.21	ug/l	J
84-74-2	Di-n-butyl phthalate	1.1	5.0	0.36	ug/l	J
117-84-0	Di-n-octyl phthalate	ND	5.0	0.24	ug/l	
84-66-2	Diethyl phthalate	0.86	5.0	0.19	ug/l	J
131-11-3	Dimethyl phthalate	ND	5.0	5.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	0.61	2.0	0.38	ug/l	J
206-44-0	Fluoranthene	ND	2.0	0.23	ug/l	
86-73-7	Fluorene	0.46	2.0	0.23	ug/l	J
118-74-1	Hexachlorobenzene	ND	5.0	0.25	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.33	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	5.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.22	ug/l	
78-59-1	Isophorone	ND	5.0	0.32	ug/l	
91-57-6	2-Methylnaphthalene	0.31	2.0	0.20	ug/l	J
88-74-4	2-Nitroaniline	ND	10	0.23	ug/l	
99-09-2	3-Nitroaniline	ND	10	0.25	ug/l	
100-01-6	4-Nitroaniline	ND	10	2.0	ug/l	
91-20-3	Naphthalene	ND	2.0	0.22	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.24	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.28	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.44	ug/l	
85-01-8	Phenanthrene	0.61	2.0	0.22	ug/l	J
129-00-0	Pyrene	ND	2.0	0.25	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	41%		15-110%
4165-62-2	Phenol-d5	44%		15-110%
118-79-6	2,4,6-Tribromophenol	82%		15-110%
4165-60-0	Nitrobenzene-d5	67%		30-130%
321-60-8	2-Fluorobiphenyl	66%		30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-MW02-062212	Date Sampled:	06/22/12
Lab Sample ID:	MC11739-1	Date Received:	06/23/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	94%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-MW02-062212

Lab Sample ID: MC11739-1

Matrix: AQ - Ground Water

Date Sampled: 06/22/12

Date Received: 06/23/12

Percent Solids: n/a

Project: Blackhawk Drive - BA, Forest Park, IL

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	410	200	21	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Antimony	1.7 U	6.0	1.7	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Arsenic	1.9 U	4.0	1.9	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Barium	292	50	0.65	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Beryllium	0.28 U	4.0	0.28	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Cadmium	0.21 U	4.0	0.21	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Calcium	293000	5000	17	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Chromium	1.8 B	10	1.1	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Cobalt	2.5 B	50	0.40	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Copper	2.1 B	25	1.7	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Iron	907	100	11	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Lead	2.1 U	5.0	2.1	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Magnesium	99700	5000	60	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Manganese	171	15	0.54	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Mercury	0.062 U	0.20	0.062	ug/l	1	06/27/12	06/28/12 EM	SW846 7470A ¹	SW846 7470A ³
Nickel	8.9 B	40	0.70	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Potassium	8740	5000	190	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Selenium	2.6 B	10	2.0	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Silver	1.3 U	5.0	1.3	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Sodium	26800	5000	40	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Thallium	1.4 U	2.0	1.4	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Vanadium	1.3 U	10	1.3	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Zinc	26.4	20	4.0	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴

(1) Instrument QC Batch: MA14420

(2) Instrument QC Batch: MA14431

(3) Prep QC Batch: MP19235

(4) Prep QC Batch: MP19238

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-MW01-062212	Date Sampled:	06/22/12
Lab Sample ID:	MC11739-2	Date Received:	06/23/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P62374.D	1	07/02/12	TT	n/a	n/a	MSP2033
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.0	ug/l	
71-43-2	Benzene	ND	0.50	0.24	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.58	ug/l	
75-25-2	Bromoform	ND	1.0	0.78	ug/l	
74-83-9	Bromomethane	ND	2.0	1.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.61	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.87	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.47	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	0.73	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.53	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.62	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.63	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.41	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.64	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.95	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.72	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.51	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	2.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.83	ug/l	
100-42-5	Styrene	ND	5.0	0.45	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.60	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.42	ug/l	
108-88-3	Toluene	ND	1.0	0.51	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.85	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.78	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-MW01-062212	Date Sampled:	06/22/12
Lab Sample ID:	MC11739-2	Date Received:	06/23/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.63	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.58	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	91%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-MW01-062212	Date Sampled:	06/22/12
Lab Sample ID:	MC11739-2	Date Received:	06/23/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F55869.D	1	07/09/12	KR	06/28/12	OP29416	MSF2668
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.40	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	10	0.38	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	0.37	ug/l	
105-67-9	2,4-Dimethylphenol	ND	10	2.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	1.4	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	10	0.60	ug/l	
	3&4-Methylphenol	ND	10	0.75	ug/l	
88-75-5	2-Nitrophenol	ND	10	0.47	ug/l	
100-02-7	4-Nitrophenol	ND	20	2.8	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.64	ug/l	
108-95-2	Phenol	ND	5.0	0.93	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	10	0.49	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	0.35	ug/l	
83-32-9	Acenaphthene	ND	2.0	0.20	ug/l	
208-96-8	Acenaphthylene	ND	2.0	0.15	ug/l	
120-12-7	Anthracene	ND	2.0	0.22	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	0.22	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.20	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	0.30	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.26	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.33	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	0.27	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.18	ug/l	
106-47-8	4-Chloroaniline	ND	10	0.63	ug/l	
86-74-8	Carbazole	ND	2.0	0.18	ug/l	
218-01-9	Chrysene	ND	2.0	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.22	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.38	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.28	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.29	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-MW01-062212	Date Sampled:	06/22/12
Lab Sample ID:	MC11739-2	Date Received:	06/23/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.0	0.28	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	0.17	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	0.21	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	0.21	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.89	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.21	ug/l	
132-64-9	Dibenzofuran	0.30	2.0	0.21	ug/l	J
84-74-2	Di-n-butyl phthalate	0.99	5.0	0.36	ug/l	J
117-84-0	Di-n-octyl phthalate	ND	5.0	0.24	ug/l	
84-66-2	Diethyl phthalate	0.71	5.0	0.19	ug/l	J
131-11-3	Dimethyl phthalate	ND	5.0	5.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.38	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.23	ug/l	
86-73-7	Fluorene	0.45	2.0	0.23	ug/l	J
118-74-1	Hexachlorobenzene	ND	5.0	0.25	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.33	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	5.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.22	ug/l	
78-59-1	Isophorone	ND	5.0	0.32	ug/l	
91-57-6	2-Methylnaphthalene	0.72	2.0	0.20	ug/l	J
88-74-4	2-Nitroaniline	ND	10	0.23	ug/l	
99-09-2	3-Nitroaniline	ND	10	0.25	ug/l	
100-01-6	4-Nitroaniline	ND	10	2.0	ug/l	
91-20-3	Naphthalene	0.31	2.0	0.22	ug/l	J
98-95-3	Nitrobenzene	ND	5.0	0.24	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.28	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.44	ug/l	
85-01-8	Phenanthrene	0.54	2.0	0.22	ug/l	J
129-00-0	Pyrene	ND	2.0	0.25	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		15-110%
4165-62-2	Phenol-d5	36%		15-110%
118-79-6	2,4,6-Tribromophenol	87%		15-110%
4165-60-0	Nitrobenzene-d5	70%		30-130%
321-60-8	2-Fluorobiphenyl	67%		30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-MW01-062212	Date Sampled:	06/22/12
Lab Sample ID:	MC11739-2	Date Received:	06/23/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	92%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-MW01-062212

Lab Sample ID: MC11739-2

Matrix: AQ - Ground Water

Date Sampled: 06/22/12

Date Received: 06/23/12

Percent Solids: n/a

Project: Blackhawk Drive - BA, Forest Park, IL

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	260	200	21	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Antimony	1.7 U	6.0	1.7	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Arsenic	1.9 U	4.0	1.9	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Barium	121	50	0.65	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Beryllium	0.28 U	4.0	0.28	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Cadmium	0.21 U	4.0	0.21	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Calcium	195000	5000	17	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Chromium	1.1 U	10	1.1	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Cobalt	2.0 B	50	0.40	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Copper	3.7 B	25	1.7	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Iron	2720	100	11	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Lead	2.1 U	5.0	2.1	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Magnesium	47100	5000	60	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Manganese	605	15	0.54	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Mercury	0.071 B	0.20	0.062	ug/l	1	06/27/12	06/28/12 EM	SW846 7470A ¹	SW846 7470A ³
Nickel	5.7 B	40	0.70	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Potassium	2720 B	5000	190	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Selenium	2.0 U	10	2.0	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Silver	1.3 U	5.0	1.3	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Sodium	61200	5000	40	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Thallium	1.4 U	2.0	1.4	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Vanadium	1.3 U	10	1.3	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Zinc	13.8 B	20	4.0	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴

(1) Instrument QC Batch: MA14420

(2) Instrument QC Batch: MA14431

(3) Prep QC Batch: MP19235

(4) Prep QC Batch: MP19238

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-MW01-062212D	Date Sampled:	06/22/12
Lab Sample ID:	MC11739-3	Date Received:	06/23/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P62375.D	1	07/02/12	TT	n/a	n/a	MSP2033
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	8.1	5.0	3.0	ug/l	
71-43-2	Benzene	ND	0.50	0.24	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.58	ug/l	
75-25-2	Bromoform	ND	1.0	0.78	ug/l	
74-83-9	Bromomethane	ND	2.0	1.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.61	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.87	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.47	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	0.73	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.53	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.62	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.63	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.41	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.64	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.95	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.72	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.51	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	2.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.83	ug/l	
100-42-5	Styrene	ND	5.0	0.45	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.60	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.42	ug/l	
108-88-3	Toluene	ND	1.0	0.51	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.85	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.78	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-MW01-062212D	Date Sampled:	06/22/12
Lab Sample ID:	MC11739-3	Date Received:	06/23/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.63	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.58	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	118%		70-130%
2037-26-5	Toluene-D8	109%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-MW01-062212D	Date Sampled:	06/22/12
Lab Sample ID:	MC11739-3	Date Received:	06/23/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F55871.D	1	07/09/12	KR	06/28/12	OP29416	MSF2668
Run #2							

Run #	Initial Volume	Final Volume
Run #1	890 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.6	0.45	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	11	0.42	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	0.42	ug/l	
105-67-9	2,4-Dimethylphenol	ND	11	3.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	1.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	5.6	ug/l	
95-48-7	2-Methylphenol	ND	11	0.68	ug/l	
	3&4-Methylphenol	ND	11	0.85	ug/l	
88-75-5	2-Nitrophenol	ND	11	0.53	ug/l	
100-02-7	4-Nitrophenol	ND	22	3.1	ug/l	
87-86-5	Pentachlorophenol	ND	11	0.72	ug/l	
108-95-2	Phenol	ND	5.6	1.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	11	0.55	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	0.40	ug/l	
83-32-9	Acenaphthene	ND	2.2	0.22	ug/l	
208-96-8	Acenaphthylene	ND	2.2	0.17	ug/l	
120-12-7	Anthracene	ND	2.2	0.25	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.2	0.24	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.2	0.23	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.2	0.23	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.2	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.2	0.29	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.6	0.37	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.6	0.30	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.6	0.20	ug/l	
106-47-8	4-Chloroaniline	ND	11	0.71	ug/l	
86-74-8	Carbazole	ND	2.2	0.21	ug/l	
218-01-9	Chrysene	ND	2.2	0.30	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.6	0.24	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.6	0.42	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.6	0.32	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.6	0.33	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-MW01-062212D	Date Sampled:	06/22/12
Lab Sample ID:	MC11739-3	Date Received:	06/23/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.6	0.31	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.6	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.6	0.23	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	2.2	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	0.23	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.6	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.2	0.24	ug/l	
132-64-9	Dibenzofuran	ND	2.2	0.24	ug/l	
84-74-2	Di-n-butyl phthalate	0.93	5.6	0.40	ug/l	J
117-84-0	Di-n-octyl phthalate	ND	5.6	0.27	ug/l	
84-66-2	Diethyl phthalate	0.51	5.6	0.21	ug/l	J
131-11-3	Dimethyl phthalate	ND	5.6	5.6	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	0.45	2.2	0.42	ug/l	J
206-44-0	Fluoranthene	ND	2.2	0.25	ug/l	
86-73-7	Fluorene	0.31	2.2	0.26	ug/l	J
118-74-1	Hexachlorobenzene	ND	5.6	0.28	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.6	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	5.6	ug/l	
67-72-1	Hexachloroethane	ND	5.6	2.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.2	0.25	ug/l	
78-59-1	Isophorone	ND	5.6	0.36	ug/l	
91-57-6	2-Methylnaphthalene	0.54	2.2	0.22	ug/l	J
88-74-4	2-Nitroaniline	ND	11	0.25	ug/l	
99-09-2	3-Nitroaniline	ND	11	0.28	ug/l	
100-01-6	4-Nitroaniline	ND	11	2.2	ug/l	
91-20-3	Naphthalene	ND	2.2	0.25	ug/l	
98-95-3	Nitrobenzene	ND	5.6	0.27	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.6	0.31	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.6	0.49	ug/l	
85-01-8	Phenanthrene	0.45	2.2	0.24	ug/l	J
129-00-0	Pyrene	ND	2.2	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		15-110%
4165-62-2	Phenol-d5	44%		15-110%
118-79-6	2,4,6-Tribromophenol	81%		15-110%
4165-60-0	Nitrobenzene-d5	67%		30-130%
321-60-8	2-Fluorobiphenyl	65%		30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-MW01-062212D	Date Sampled:	06/22/12
Lab Sample ID:	MC11739-3	Date Received:	06/23/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	92%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-MW01-062212D

Lab Sample ID: MC11739-3

Matrix: AQ - Ground Water

Date Sampled: 06/22/12

Date Received: 06/23/12

Percent Solids: n/a

Project: Blackhawk Drive - BA, Forest Park, IL

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	295	200	21	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Antimony	1.7 U	6.0	1.7	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Arsenic	1.9 U	4.0	1.9	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Barium	123	50	0.65	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Beryllium	0.28 U	4.0	0.28	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Cadmium	0.21 U	4.0	0.21	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Calcium	199000	5000	17	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Chromium	1.1 U	10	1.1	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Cobalt	2.0 B	50	0.40	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Copper	3.5 B	25	1.7	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Iron	2870	100	11	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Lead	2.1 U	5.0	2.1	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Magnesium	47900	5000	60	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Manganese	619	15	0.54	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Mercury	0.070 B	0.20	0.062	ug/l	1	06/27/12	06/28/12 EM	SW846 7470A ¹	SW846 7470A ³
Nickel	5.8 B	40	0.70	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Potassium	2720 B	5000	190	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Selenium	2.0 U	10	2.0	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Silver	1.3 U	5.0	1.3	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Sodium	62300	5000	40	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Thallium	1.4 U	2.0	1.4	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Vanadium	1.3 U	10	1.3	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Zinc	5.4 B	20	4.0	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴

(1) Instrument QC Batch: MA14420

(2) Instrument QC Batch: MA14431

(3) Prep QC Batch: MP19235

(4) Prep QC Batch: MP19238

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH-MW03-062212	Date Sampled:	06/22/12
Lab Sample ID:	MC11739-4	Date Received:	06/23/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P62376.D	1	07/02/12	TT	n/a	n/a	MSP2033
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.0	ug/l	
71-43-2	Benzene	ND	0.50	0.24	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.58	ug/l	
75-25-2	Bromoform	ND	1.0	0.78	ug/l	
74-83-9	Bromomethane	ND	2.0	1.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.61	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.87	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.47	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	0.73	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.53	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.62	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.63	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.41	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.64	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.95	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.72	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.51	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	2.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.83	ug/l	
100-42-5	Styrene	ND	5.0	0.45	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.60	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.42	ug/l	
108-88-3	Toluene	ND	1.0	0.51	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.85	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.78	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-MW03-062212	Date Sampled:	06/22/12
Lab Sample ID:	MC11739-4	Date Received:	06/23/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Blackhawk Drive - BA, Forest Park, IL		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.63	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.58	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	114%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	92%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-MW03-062212	Date Sampled:	06/22/12
Lab Sample ID:	MC11739-4	Date Received:	06/23/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Blackhawk Drive - BA, Forest Park, IL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F55867.D	1	07/09/12	KR	06/28/12	OP29416	MSF2668
Run #2							

Run #	Initial Volume	Final Volume
Run #1	920 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.4	0.44	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	11	0.41	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	0.41	ug/l	
105-67-9	2,4-Dimethylphenol	ND	11	3.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	1.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	5.4	ug/l	
95-48-7	2-Methylphenol	ND	11	0.66	ug/l	
	3&4-Methylphenol	ND	11	0.82	ug/l	
88-75-5	2-Nitrophenol	ND	11	0.51	ug/l	
100-02-7	4-Nitrophenol	ND	22	3.0	ug/l	
87-86-5	Pentachlorophenol	ND	11	0.69	ug/l	
108-95-2	Phenol	ND	5.4	1.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	11	0.53	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	0.38	ug/l	
83-32-9	Acenaphthene	ND	2.2	0.22	ug/l	
208-96-8	Acenaphthylene	ND	2.2	0.16	ug/l	
120-12-7	Anthracene	ND	2.2	0.24	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.2	0.24	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.2	0.23	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.2	0.22	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.2	0.33	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.2	0.28	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.4	0.36	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.4	0.29	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.4	0.19	ug/l	
106-47-8	4-Chloroaniline	ND	11	0.69	ug/l	
86-74-8	Carbazole	ND	2.2	0.20	ug/l	
218-01-9	Chrysene	ND	2.2	0.29	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.4	0.24	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.4	0.41	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.4	0.31	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.4	0.32	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-MW03-062212	Date Sampled:	06/22/12
Lab Sample ID:	MC11739-4	Date Received:	06/23/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.4	0.30	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.4	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.4	0.22	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	2.2	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	0.23	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.4	0.97	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.2	0.23	ug/l	
132-64-9	Dibenzofuran	ND	2.2	0.23	ug/l	
84-74-2	Di-n-butyl phthalate	0.71	5.4	0.39	ug/l	J
117-84-0	Di-n-octyl phthalate	ND	5.4	0.26	ug/l	
84-66-2	Diethyl phthalate	ND	5.4	0.21	ug/l	
131-11-3	Dimethyl phthalate	ND	5.4	5.4	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	0.41	ug/l	
206-44-0	Fluoranthene	ND	2.2	0.24	ug/l	
86-73-7	Fluorene	ND	2.2	0.25	ug/l	
118-74-1	Hexachlorobenzene	ND	5.4	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.4	0.36	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	5.4	ug/l	
67-72-1	Hexachloroethane	ND	5.4	2.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.2	0.24	ug/l	
78-59-1	Isophorone	ND	5.4	0.35	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.2	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	11	0.25	ug/l	
99-09-2	3-Nitroaniline	ND	11	0.28	ug/l	
100-01-6	4-Nitroaniline	ND	11	2.2	ug/l	
91-20-3	Naphthalene	ND	2.2	0.24	ug/l	
98-95-3	Nitrobenzene	ND	5.4	0.26	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.4	0.30	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.4	0.47	ug/l	
85-01-8	Phenanthrene	ND	2.2	0.24	ug/l	
129-00-0	Pyrene	ND	2.2	0.27	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.4	0.21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%		15-110%
4165-62-2	Phenol-d5	32%		15-110%
118-79-6	2,4,6-Tribromophenol	84%		15-110%
4165-60-0	Nitrobenzene-d5	66%		30-130%
321-60-8	2-Fluorobiphenyl	66%		30-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH-MW03-062212	Date Sampled:	06/22/12
Lab Sample ID:	MC11739-4	Date Received:	06/23/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Blackhawk Drive - BA, Forest Park, IL		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	98%		30-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH-MW03-062212

Lab Sample ID: MC11739-4

Matrix: AQ - Ground Water

Date Sampled: 06/22/12

Date Received: 06/23/12

Percent Solids: n/a

Project: Blackhawk Drive - BA, Forest Park, IL

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	295	200	21	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Antimony	1.7 U	6.0	1.7	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Arsenic	1.9 U	4.0	1.9	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Barium	41.3 B	50	0.65	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Beryllium	0.28 U	4.0	0.28	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Cadmium	0.30 B	4.0	0.21	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Calcium	93300	5000	17	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Chromium	1.1 U	10	1.1	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Cobalt	0.40 B	50	0.40	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Copper	1.7 U	25	1.7	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Iron	210	100	11	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Lead	2.1 U	5.0	2.1	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Magnesium	42900	5000	60	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Manganese	42.4	15	0.54	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Mercury	0.062 U	0.20	0.062	ug/l	1	06/27/12	06/28/12 EM	SW846 7470A ¹	SW846 7470A ³
Nickel	0.90 B	40	0.70	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Potassium	2080 B	5000	190	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Selenium	2.0 B	10	2.0	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Silver	1.3 U	5.0	1.3	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Sodium	144000	5000	40	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Thallium	1.4 U	2.0	1.4	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Vanadium	1.3 U	10	1.3	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴
Zinc	8.9 B	20	4.0	ug/l	1	06/28/12	06/29/12 EAL	SW846 6010C ²	SW846 3010A ⁴

(1) Instrument QC Batch: MA14420

(2) Instrument QC Batch: MA14431

(3) Prep QC Batch: MP19235

(4) Prep QC Batch: MP19238

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

B = Indicates a result > = MDL but < RL

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

[illegible]

MC11739: Chain of Custody

Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC11739

Client: WESTON SOUTHOINS

Immediate Client Services Action Required: No

Date / Time Received: 6/23/2012

Delivery Method:

Client Service Action Required at Login: No

Project: BLACKHAWK DR.

No. Coolers: 1

Airbill #'s:

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	4. Smpl Dates/Time OK	<input checked="" type="checkbox"/>		<input type="checkbox"/>

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Cooler temp verification:			Infrared gun
3. Cooler media:			Ice (bag)

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Trip Blank listed on COC:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Samples preserved properly:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. VOCs headspace free:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Container labeling complete:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>		<input type="checkbox"/>

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. All containers accounted for:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Condition of sample:			Intact

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
3. Sufficient volume recvd for analysis:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Compositing instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments

GC/MS Volatiles

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Page 1 of 2

Job Number: MC11739
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSP2033-MB	P62361.D	1	07/02/12	TT	n/a	n/a	MSP2033

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11739-1, MC11739-2, MC11739-3, MC11739-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.0	ug/l	
71-43-2	Benzene	ND	0.50	0.24	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.58	ug/l	
75-25-2	Bromoform	ND	1.0	0.78	ug/l	
74-83-9	Bromomethane	ND	2.0	1.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.61	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.87	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.47	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	0.73	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.53	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.62	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.63	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.41	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.64	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.95	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.72	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.51	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	2.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.83	ug/l	
100-42-5	Styrene	ND	5.0	0.45	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.60	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.42	ug/l	
108-88-3	Toluene	ND	1.0	0.51	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.85	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.78	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.63	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.58	ug/l	

Method Blank Summary

Job Number: MC11739
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSP2033-MB	P62361.D	1	07/02/12	TT	n/a	n/a	MSP2033

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11739-1, MC11739-2, MC11739-3, MC11739-4

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	101% 70-130%
2037-26-5	Toluene-D8	99% 70-130%
460-00-4	4-Bromofluorobenzene	91% 70-130%

5.1.1
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Blank Spike Summary

Page 1 of 2

Job Number: MC11739
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSP2033-BS	P62359.D	1	07/02/12	TT	n/a	n/a	MSP2033

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11739-1, MC11739-2, MC11739-3, MC11739-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	57.1	114	70-130
71-43-2	Benzene	50	53.1	106	70-130
75-27-4	Bromodichloromethane	50	48.4	97	70-130
75-25-2	Bromoform	50	55.9	112	70-130
74-83-9	Bromomethane	50	40.4	81	70-130
78-93-3	2-Butanone (MEK)	50	55.0	110	70-130
75-15-0	Carbon disulfide	50	51.9	104	70-130
56-23-5	Carbon tetrachloride	50	45.0	90	70-130
108-90-7	Chlorobenzene	50	57.3	115	70-130
75-00-3	Chloroethane	50	44.3	89	70-130
67-66-3	Chloroform	50	48.7	97	70-130
74-87-3	Chloromethane	50	38.4	77	70-130
124-48-1	Dibromochloromethane	50	56.9	114	70-130
75-34-3	1,1-Dichloroethane	50	50.1	100	70-130
107-06-2	1,2-Dichloroethane	50	38.3	77	70-130
75-35-4	1,1-Dichloroethene	50	54.6	109	70-130
156-59-2	cis-1,2-Dichloroethene	50	56.0	112	70-130
156-60-5	trans-1,2-Dichloroethene	50	52.5	105	70-130
78-87-5	1,2-Dichloropropane	50	53.5	107	70-130
10061-01-5	cis-1,3-Dichloropropene	50	44.4	89	70-130
10061-02-6	trans-1,3-Dichloropropene	50	43.4	87	70-130
100-41-4	Ethylbenzene	50	50.6	101	70-130
591-78-6	2-Hexanone	50	42.3	85	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	38.1	76	70-130
75-09-2	Methylene chloride	50	55.4	111	70-130
100-42-5	Styrene	50	56.3	113	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	45.0	90	70-130
127-18-4	Tetrachloroethene	50	56.4	113	70-130
108-88-3	Toluene	50	52.0	104	70-130
71-55-6	1,1,1-Trichloroethane	50	47.3	95	70-130
79-00-5	1,1,2-Trichloroethane	50	52.4	105	70-130
79-01-6	Trichloroethene	50	48.3	97	70-130
75-01-4	Vinyl chloride	50	42.9	86	70-130
1330-20-7	Xylene (total)	150	170	113	70-130

* = Outside of Control Limits.

Blank Spike Summary

Page 2 of 2

Job Number: MC11739
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSP2033-BS	P62359.D	1	07/02/12	TT	n/a	n/a	MSP2033

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11739-1, MC11739-2, MC11739-3, MC11739-4

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	70-130%
2037-26-5	Toluene-D8	98%	70-130%
460-00-4	4-Bromofluorobenzene	88%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 2

Job Number: MC11739

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC11739-4MS	P62381.D	1	07/02/12	TT	n/a	n/a	MSP2033
MC11739-4MSD	P62382.D	1	07/02/12	TT	n/a	n/a	MSP2033
MC11739-4	P62376.D	1	07/02/12	TT	n/a	n/a	MSP2033

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11739-1, MC11739-2, MC11739-3, MC11739-4

CAS No.	Compound	MC11739-4 ug/l	Spike Q	ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		50	53.4	107	49.0	98	9	70-130/30
71-43-2	Benzene	ND		50	55.8	112	55.0	110	1	70-130/30
75-27-4	Bromodichloromethane	ND		50	52.0	104	51.1	102	2	70-130/30
75-25-2	Bromoform	ND		50	54.1	108	54.9	110	1	70-130/30
74-83-9	Bromomethane	ND		50	22.6	45* a	26.1	52* a	14	70-130/30
78-93-3	2-Butanone (MEK)	ND		50	53.3	107	52.4	105	2	70-130/30
75-15-0	Carbon disulfide	ND		50	56.8	114	56.2	112	1	70-130/30
56-23-5	Carbon tetrachloride	ND		50	50.2	100	48.6	97	3	70-130/30
108-90-7	Chlorobenzene	ND		50	56.6	113	57.0	114	1	70-130/30
75-00-3	Chloroethane	ND		50	49.1	98	51.0	102	4	70-130/30
67-66-3	Chloroform	ND		50	55.3	111	53.3	107	4	70-130/30
74-87-3	Chloromethane	ND		50	31.8	64* a	38.6	77	19	70-130/30
124-48-1	Dibromochloromethane	ND		50	56.1	112	57.1	114	2	70-130/30
75-34-3	1,1-Dichloroethane	ND		50	55.5	111	54.2	108	2	70-130/30
107-06-2	1,2-Dichloroethane	ND		50	42.0	84	41.2	82	2	70-130/30
75-35-4	1,1-Dichloroethene	ND		50	60.3	121	57.6	115	5	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		50	60.4	121	58.4	117	3	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		50	54.9	110	55.0	110	0	70-130/30
78-87-5	1,2-Dichloropropane	ND		50	56.5	113	55.8	112	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		50	43.9	88	44.7	89	2	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		50	42.7	85	44.0	88	3	70-130/30
100-41-4	Ethylbenzene	ND		50	49.7	99	50.3	101	1	70-130/30
591-78-6	2-Hexanone	ND		50	38.7	77	43.3	87	11	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	38.5	77	40.2	80	4	70-130/30
75-09-2	Methylene chloride	ND		50	60.6	121	59.6	119	2	70-130/30
100-42-5	Styrene	ND		50	54.1	108	55.0	110	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	45.6	91	46.6	93	2	70-130/30
127-18-4	Tetrachloroethene	ND		50	53.9	108	54.7	109	1	70-130/30
108-88-3	Toluene	ND		50	54.7	109	54.0	108	1	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		50	53.7	107	51.9	104	3	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		50	54.9	110	55.1	110	0	70-130/30
79-01-6	Trichloroethene	ND		50	50.8	102	50.5	101	1	70-130/30
75-01-4	Vinyl chloride	ND		50	40.8	82	44.5	89	9	70-130/30
1330-20-7	Xylene (total)	ND		150	170	113	171	114	1	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 2 of 2

Job Number: MC11739

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC11739-4MS	P62381.D	1	07/02/12	TT	n/a	n/a	MSP2033
MC11739-4MSD	P62382.D	1	07/02/12	TT	n/a	n/a	MSP2033
MC11739-4	P62376.D	1	07/02/12	TT	n/a	n/a	MSP2033

The QC reported here applies to the following samples:

Method: SW846 8260B

MC11739-1, MC11739-2, MC11739-3, MC11739-4

CAS No.	Surrogate Recoveries	MS	MSD	MC11739-4	Limits
1868-53-7	Dibromofluoromethane	115%	110%	114%	70-130%
2037-26-5	Toluene-D8	106%	105%	104%	70-130%
460-00-4	4-Bromofluorobenzene	92%	92%	92%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Volatile Surrogate Recovery Summary

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Job Number: MC11739

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Method: SW846 8260B

Matrix: AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC11739-1	P62373.D	111.0	101.0	90.0
MC11739-2	P62374.D	112.0	104.0	91.0
MC11739-3	P62375.D	118.0	109.0	97.0
MC11739-4	P62376.D	114.0	104.0	92.0
MC11739-4MS	P62381.D	115.0	106.0	92.0
MC11739-4MSD	P62382.D	110.0	105.0	92.0
MSP2033-BS	P62359.D	99.0	98.0	88.0
MSP2033-MB	P62361.D	101.0	99.0	91.0

Surrogate Compounds

Recovery Limits

S1 = Dibromofluoromethane

70-130%

S2 = Toluene-D8

70-130%

S3 = 4-Bromofluorobenzene

70-130%

5.4.1

5

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

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Job Number: MC11739

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29416-MB	F55870.D	1	07/09/12	KR	06/28/12	OP29416	MSF2668

The QC reported here applies to the following samples:

Method: SW846 8270C

MC11739-1, MC11739-2, MC11739-3, MC11739-4

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.40	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	10	0.38	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	0.37	ug/l	
105-67-9	2,4-Dimethylphenol	ND	10	2.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	1.4	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	10	0.60	ug/l	
	3&4-Methylphenol	ND	10	0.75	ug/l	
88-75-5	2-Nitrophenol	ND	10	0.47	ug/l	
100-02-7	4-Nitrophenol	ND	20	2.8	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.64	ug/l	
108-95-2	Phenol	ND	5.0	0.93	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	10	0.49	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	0.35	ug/l	
83-32-9	Acenaphthene	ND	2.0	0.20	ug/l	
208-96-8	Acenaphthylene	ND	2.0	0.15	ug/l	
120-12-7	Anthracene	ND	2.0	0.22	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	0.22	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.20	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	0.30	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.26	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.33	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	0.27	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.18	ug/l	
106-47-8	4-Chloroaniline	ND	10	0.63	ug/l	
86-74-8	Carbazole	ND	2.0	0.18	ug/l	
218-01-9	Chrysene	ND	2.0	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.22	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.38	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.28	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.29	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	0.28	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	0.17	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	0.21	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	2.0	ug/l	

Method Blank Summary

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Job Number: MC11739
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29416-MB	F55870.D	1	07/09/12	KR	06/28/12	OP29416	MSF2668

The QC reported here applies to the following samples:

Method: SW846 8270C

MC11739-1, MC11739-2, MC11739-3, MC11739-4

CAS No.	Compound	Result	RL	MDL	Units	Q
606-20-2	2,6-Dinitrotoluene	ND	10	0.21	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.89	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.21	ug/l	
132-64-9	Dibenzofuran	ND	2.0	0.21	ug/l	
84-74-2	Di-n-butyl phthalate	0.54	5.0	0.36	ug/l	J
117-84-0	Di-n-octyl phthalate	ND	5.0	0.24	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	0.19	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	5.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.38	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.23	ug/l	
86-73-7	Fluorene	ND	2.0	0.23	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.25	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.33	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	5.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.22	ug/l	
78-59-1	Isophorone	ND	5.0	0.32	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.20	ug/l	
88-74-4	2-Nitroaniline	ND	10	0.23	ug/l	
99-09-2	3-Nitroaniline	ND	10	0.25	ug/l	
100-01-6	4-Nitroaniline	ND	10	2.0	ug/l	
91-20-3	Naphthalene	ND	2.0	0.22	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.24	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.28	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.44	ug/l	
85-01-8	Phenanthrene	ND	2.0	0.22	ug/l	
129-00-0	Pyrene	ND	2.0	0.25	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Limits
367-12-4	2-Fluorophenol	37% 15-110%
4165-62-2	Phenol-d5	32% 15-110%
118-79-6	2,4,6-Tribromophenol	79% 15-110%
4165-60-0	Nitrobenzene-d5	71% 30-130%

Method Blank Summary

Page 3 of 3

Job Number: MC11739

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29416-MB	F55870.D	1	07/09/12	KR	06/28/12	OP29416	MSF2668

The QC reported here applies to the following samples:

Method: SW846 8270C

MC11739-1, MC11739-2, MC11739-3, MC11739-4

CAS No.	Surrogate Recoveries	Limits
321-60-8	2-Fluorobiphenyl	71% 30-130%
1718-51-0	Terphenyl-d14	100% 30-130%

Blank Spike Summary

Page 1 of 3

Job Number: MC11739
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29416-BS	I79189.D	1	07/09/12	NS	06/28/12	OP29416	MSI2940

The QC reported here applies to the following samples:

Method: SW846 8270C

MC11739-1, MC11739-2, MC11739-3, MC11739-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-57-8	2-Chlorophenol	100	78.1	78	30-130
59-50-7	4-Chloro-3-methyl phenol	100	89.6	90	30-130
120-83-2	2,4-Dichlorophenol	100	81.8	82	30-130
105-67-9	2,4-Dimethylphenol	100	116	116	30-130
51-28-5	2,4-Dinitrophenol	100	66.3	66	30-130
534-52-1	4,6-Dinitro-o-cresol	100	82.2	82	30-130
95-48-7	2-Methylphenol	100	76.5	77	30-130
	3&4-Methylphenol	200	146	73	30-130
88-75-5	2-Nitrophenol	100	81.9	82	30-130
100-02-7	4-Nitrophenol	100	40.5	41	30-130
87-86-5	Pentachlorophenol	100	78.8	79	30-130
108-95-2	Phenol	100	40.2	40	30-130
95-95-4	2,4,5-Trichlorophenol	100	87.1	87	30-130
88-06-2	2,4,6-Trichlorophenol	100	86.5	87	30-130
83-32-9	Acenaphthene	50	40.6	81	40-140
208-96-8	Acenaphthylene	50	49.2	98	40-140
120-12-7	Anthracene	50	47.1	94	40-140
56-55-3	Benzo(a)anthracene	50	49.0	98	40-140
50-32-8	Benzo(a)pyrene	50	57.4	115	40-140
205-99-2	Benzo(b)fluoranthene	50	58.4	117	40-140
191-24-2	Benzo(g,h,i)perylene	50	55.6	111	40-140
207-08-9	Benzo(k)fluoranthene	50	57.0	114	40-140
101-55-3	4-Bromophenyl phenyl ether	50	44.1	88	40-140
85-68-7	Butyl benzyl phthalate	50	48.4	97	40-140
91-58-7	2-Chloronaphthalene	50	35.7	71	40-140
106-47-8	4-Chloroaniline	50	37.2	74	40-140
86-74-8	Carbazole	50	45.1	90	40-140
218-01-9	Chrysene	50	48.7	97	40-140
111-91-1	bis(2-Chloroethoxy)methane	50	45.4	91	40-140
111-44-4	bis(2-Chloroethyl)ether	50	46.8	94	40-140
108-60-1	bis(2-Chloroisopropyl)ether	50	36.7	73	40-140
7005-72-3	4-Chlorophenyl phenyl ether	50	42.9	86	40-140
95-50-1	1,2-Dichlorobenzene	50	34.4	69	40-140
541-73-1	1,3-Dichlorobenzene	50	32.9	66	40-140
106-46-7	1,4-Dichlorobenzene	50	33.9	68	40-140
121-14-2	2,4-Dinitrotoluene	50	49.3	99	40-140

* = Outside of Control Limits.

Blank Spike Summary

Page 2 of 3

Job Number: MC11739
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29416-BS	I79189.D	1	07/09/12	NS	06/28/12	OP29416	MSI2940

The QC reported here applies to the following samples:

Method: SW846 8270C

MC11739-1, MC11739-2, MC11739-3, MC11739-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
606-20-2	2,6-Dinitrotoluene	50	48.1	96	40-140
91-94-1	3,3'-Dichlorobenzidine	50	47.6	95	40-140
53-70-3	Dibenzo(a,h)anthracene	50	56.4	113	40-140
132-64-9	Dibenzofuran	50	36.5	73	40-140
84-74-2	Di-n-butyl phthalate	50	50.2	100	40-140
117-84-0	Di-n-octyl phthalate	50	49.1	98	40-140
84-66-2	Diethyl phthalate	50	50.1	100	40-140
131-11-3	Dimethyl phthalate	50	48.6	97	40-140
117-81-7	bis(2-Ethylhexyl)phthalate	50	51.8	104	40-140
206-44-0	Fluoranthene	50	47.5	95	40-140
86-73-7	Fluorene	50	45.8	92	40-140
118-74-1	Hexachlorobenzene	50	46.2	92	40-140
87-68-3	Hexachlorobutadiene	50	32.7	65	40-140
77-47-4	Hexachlorocyclopentadiene	50	28.6	57	40-140
67-72-1	Hexachloroethane	50	33.1	66	40-140
193-39-5	Indeno(1,2,3-cd)pyrene	50	58.4	117	40-140
78-59-1	Isophorone	50	51.1	102	40-140
91-57-6	2-Methylnaphthalene	50	26.4	53	40-140
88-74-4	2-Nitroaniline	50	44.7	89	40-140
99-09-2	3-Nitroaniline	50	38.2	76	40-140
100-01-6	4-Nitroaniline	50	39.1	78	40-140
91-20-3	Naphthalene	50	37.3	75	40-140
98-95-3	Nitrobenzene	50	45.0	90	40-140
621-64-7	N-Nitroso-di-n-propylamine	50	50.8	102	40-140
86-30-6	N-Nitrosodiphenylamine	50	51.1	102	40-140
85-01-8	Phenanthrene	50	45.1	90	40-140
129-00-0	Pyrene	50	44.2	88	40-140
120-82-1	1,2,4-Trichlorobenzene	50	32.4	65	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	53%	15-110%
4165-62-2	Phenol-d5	38%	15-110%
118-79-6	2,4,6-Tribromophenol	89%	15-110%
4165-60-0	Nitrobenzene-d5	90%	30-130%

* = Outside of Control Limits.

Blank Spike Summary

Page 3 of 3

Job Number: MC11739

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29416-BS	I79189.D	1	07/09/12	NS	06/28/12	OP29416	MSI2940

The QC reported here applies to the following samples:

Method: SW846 8270C

MC11739-1, MC11739-2, MC11739-3, MC11739-4

CAS No.	Surrogate Recoveries	BSP	Limits
321-60-8	2-Fluorobiphenyl	74%	30-130%
1718-51-0	Terphenyl-d14	104%	30-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 3

Job Number: MC11739

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29416-MS	F55872.D	1	07/09/12	KR	06/28/12	OP29416	MSF2668
OP29416-MSD	F55873.D	1	07/09/12	KR	06/28/12	OP29416	MSF2668
MC11739-4	F55867.D	1	07/09/12	KR	06/28/12	OP29416	MSF2668

The QC reported here applies to the following samples:

Method: SW846 8270C

MC11739-1, MC11739-2, MC11739-3, MC11739-4

CAS No.	Compound	MC11739-4 ug/l	Spike Q	ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		108	71.7	67	78.9	74	10	30-130/20
59-50-7	4-Chloro-3-methyl phenol	ND		108	86.6	81	85.8	81	1	30-130/20
120-83-2	2,4-Dichlorophenol	ND		108	85.4	79	87.0	82	2	30-130/20
105-67-9	2,4-Dimethylphenol	ND		108	76.5	71	76.4	72	0	30-130/20
51-28-5	2,4-Dinitrophenol	ND		108	234	218* a	234	220* a	0	30-130/20
534-52-1	4,6-Dinitro-o-cresol	ND		108	162	151* a	165	155* a	2	30-130/20
95-48-7	2-Methylphenol	ND		108	67.4	63	71.3	67	6	30-130/20
	3&4-Methylphenol	ND		215	65.1	30	68.1	32	5	30-130/20
88-75-5	2-Nitrophenol	ND		108	85.5	80	89.8	84	5	30-130/20
100-02-7	4-Nitrophenol	ND		108	52.1	48	54.6	51	5	30-130/20
87-86-5	Pentachlorophenol	ND		108	115	107	115	108	0	30-130/20
108-95-2	Phenol	ND		108	36.6	34	39.9	38	9	30-130/20
95-95-4	2,4,5-Trichlorophenol	ND		108	97.7	91	96.7	91	1	30-130/20
88-06-2	2,4,6-Trichlorophenol	ND		108	97.4	91	96.4	91	1	30-130/20
83-32-9	Acenaphthene	ND		53.8	48.1	89	47.2	89	2	40-140/20
208-96-8	Acenaphthylene	ND		53.8	49.2	92	48.3	91	2	40-140/20
120-12-7	Anthracene	ND		53.8	51.9	97	50.7	95	2	40-140/20
56-55-3	Benzo(a)anthracene	ND		53.8	48.9	91	47.2	89	4	40-140/20
50-32-8	Benzo(a)pyrene	ND		53.8	51.0	95	47.4	89	7	40-140/20
205-99-2	Benzo(b)fluoranthene	ND		53.8	52.2	97	49.1	92	6	40-140/20
191-24-2	Benzo(g,h,i)perylene	ND		53.8	52.4	97	50.2	94	4	40-140/20
207-08-9	Benzo(k)fluoranthene	ND		53.8	51.3	95	47.4	89	8	40-140/20
101-55-3	4-Bromophenyl phenyl ether	ND		53.8	54.3	101	53.6	101	1	40-140/20
85-68-7	Butyl benzyl phthalate	ND		53.8	55.8	104	54.9	103	2	40-140/20
91-58-7	2-Chloronaphthalene	ND		53.8	45.4	84	45.2	85	0	40-140/20
106-47-8	4-Chloroaniline	ND		53.8	39.2	73	38.0	71	3	40-140/20
86-74-8	Carbazole	ND		53.8	52.1	97	51.6	97	1	40-140/20
218-01-9	Chrysene	ND		53.8	48.6	90	46.3	87	5	40-140/20
111-91-1	bis(2-Chloroethoxy)methane	ND		53.8	45.5	85	47.2	89	4	40-140/20
111-44-4	bis(2-Chloroethyl)ether	ND		53.8	42.4	79	45.8	86	8	40-140/20
108-60-1	bis(2-Chloroisopropyl)ether	ND		53.8	41.9	78	45.3	85	8	40-140/20
7005-72-3	4-Chlorophenyl phenyl ether	ND		53.8	48.8	91	48.0	90	2	40-140/20
95-50-1	1,2-Dichlorobenzene	ND		53.8	36.3	68	39.2	74	8	40-140/20
541-73-1	1,3-Dichlorobenzene	ND		53.8	35.5	66	38.3	72	8	40-140/20
106-46-7	1,4-Dichlorobenzene	ND		53.8	36.1	67	38.8	73	7	40-140/20
121-14-2	2,4-Dinitrotoluene	ND		53.8	56.7	105	56.1	105	1	40-140/20

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 2 of 3

Job Number: MC11739
Account: WESTILVH Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29416-MS	F55872.D	1	07/09/12	KR	06/28/12	OP29416	MSF2668
OP29416-MSD	F55873.D	1	07/09/12	KR	06/28/12	OP29416	MSF2668
MC11739-4	F55867.D	1	07/09/12	KR	06/28/12	OP29416	MSF2668

The QC reported here applies to the following samples:

Method: SW846 8270C

MC11739-1, MC11739-2, MC11739-3, MC11739-4

CAS No.	Compound	MC11739-4 ug/l	Spike Q	ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
606-20-2	2,6-Dinitrotoluene	ND		53.8	58.6	109	56.8	107	3	40-140/20
91-94-1	3,3'-Dichlorobenzidine	ND		53.8	50.9	95	49.0	92	4	40-140/20
53-70-3	Dibenzo(a,h)anthracene	ND		53.8	51.0	95	48.7	92	5	40-140/20
132-64-9	Dibenzofuran	ND		53.8	46.1	86	44.6	84	3	40-140/20
84-74-2	Di-n-butyl phthalate	0.71	J	53.8	54.0	99	53.7	100	1	40-140/20
117-84-0	Di-n-octyl phthalate	ND		53.8	51.8	96	49.1	92	5	40-140/20
84-66-2	Diethyl phthalate	ND		53.8	51.9	97	51.6	97	1	40-140/20
131-11-3	Dimethyl phthalate	ND		53.8	51.8	96	51.7	97	0	40-140/20
117-81-7	bis(2-Ethylhexyl)phthalate	ND		53.8	50.1	93	48.5	91	3	40-140/20
206-44-0	Fluoranthene	ND		53.8	52.9	98	51.2	96	3	40-140/20
86-73-7	Fluorene	ND		53.8	50.4	94	49.6	93	2	40-140/20
118-74-1	Hexachlorobenzene	ND		53.8	51.9	97	50.3	95	3	40-140/20
87-68-3	Hexachlorobutadiene	ND		53.8	34.8	65	37.6	71	8	40-140/20
77-47-4	Hexachlorocyclopentadiene	ND		53.8	33.7	63	36.7	69	9	40-140/20
67-72-1	Hexachloroethane	ND		53.8	32.9	61	36.2	68	10	40-140/20
193-39-5	Indeno(1,2,3-cd)pyrene	ND		53.8	51.7	96	49.3	93	5	40-140/20
78-59-1	Isophorone	ND		53.8	48.7	91	49.2	92	1	40-140/20
91-57-6	2-Methylnaphthalene	ND		53.8	38.4	71	38.0	71	1	40-140/20
88-74-4	2-Nitroaniline	ND		53.8	53.5	100	52.7	99	2	40-140/20
99-09-2	3-Nitroaniline	ND		53.8	47.4	88	46.3	87	2	40-140/20
100-01-6	4-Nitroaniline	ND		53.8	51.0	95	50.0	94	2	40-140/20
91-20-3	Naphthalene	ND		53.8	41.2	77	42.9	81	4	40-140/20
98-95-3	Nitrobenzene	ND		53.8	42.5	79	45.3	85	6	40-140/20
621-64-7	N-Nitroso-di-n-propylamine	ND		53.8	45.6	85	46.5	87	2	40-140/20
86-30-6	N-Nitrosodiphenylamine	ND		53.8	53.4	99	52.8	99	1	40-140/20
85-01-8	Phenanthrene	ND		53.8	51.8	96	51.5	97	1	40-140/20
129-00-0	Pyrene	ND		53.8	53.5	100	52.2	98	2	40-140/20
120-82-1	1,2,4-Trichlorobenzene	ND		53.8	38.2	71	40.2	76	5	40-140/20

CAS No.	Surrogate Recoveries	MS	MSD	MC11739-4	Limits
367-12-4	2-Fluorophenol	46%	52%	37%	15-110%
4165-62-2	Phenol-d5	35%	39%	32%	15-110%
118-79-6	2,4,6-Tribromophenol	99%	100%	84%	15-110%
4165-60-0	Nitrobenzene-d5	78%	84%	66%	30-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 3 of 3

Job Number: MC11739

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29416-MS	F55872.D	1	07/09/12	KR	06/28/12	OP29416	MSF2668
OP29416-MSD	F55873.D	1	07/09/12	KR	06/28/12	OP29416	MSF2668
MC11739-4	F55867.D	1	07/09/12	KR	06/28/12	OP29416	MSF2668

The QC reported here applies to the following samples:

Method: SW846 8270C

MC11739-1, MC11739-2, MC11739-3, MC11739-4

CAS No.	Surrogate Recoveries	MS	MSD	MC11739-4	Limits
321-60-8	2-Fluorobiphenyl	80%	81%	66%	30-130%
1718-51-0	Terphenyl-d14	92%	89%	98%	30-130%

(a) Outside control limits due to possible matrix interference. Confirmed by MS/MSD.

* = Outside of Control Limits.

Semivolatile Surrogate Recovery Summary

Page 1 of 1

Job Number: MC11739

Account: WESTILVH Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

Method: SW846 8270C

Matrix: AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
MC11739-1	F55868.D	41.0	44.0	82.0	67.0	66.0	94.0
MC11739-2	F55869.D	38.0	36.0	87.0	70.0	67.0	92.0
MC11739-3	F55871.D	40.0	44.0	81.0	67.0	65.0	92.0
MC11739-4	F55867.D	37.0	32.0	84.0	66.0	66.0	98.0
OP29416-BS	I79189.D	53.0	38.0	89.0	90.0	74.0	104.0
OP29416-MB	F55870.D	37.0	32.0	79.0	71.0	71.0	100.0
OP29416-MS	F55872.D	46.0	35.0	99.0	78.0	80.0	92.0
OP29416-MSD	F55873.D	52.0	39.0	100.0	84.0	81.0	89.0

Surrogate Compounds

Recovery Limits

S1 = 2-Fluorophenol	15-110%
S2 = Phenol-d5	15-110%
S3 = 2,4,6-Tribromophenol	15-110%
S4 = Nitrobenzene-d5	30-130%
S5 = 2-Fluorobiphenyl	30-130%
S6 = Terphenyl-d14	30-130%

6.4.1

6

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC11739
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19235
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/27/12

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.20	.021	.062	0.026	<0.20

Associated samples MP19235: MC11739-1, MC11739-2, MC11739-3, MC11739-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11739
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19235
 Matrix Type: AQUEOUS

Methods: SW846 7470A
 Units: ug/l

Prep Date: 06/27/12

Metal	MC11739-4		SpikeLot		QC
	Original	MS	HGRWS1	% Rec	Limits
Mercury	0.0	2.9	3	96.7	75-125

Associated samples MP19235: MC11739-1, MC11739-2, MC11739-3, MC11739-4

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11739
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19235
 Matrix Type: AQUEOUS

Methods: SW846 7470A
 Units: ug/l

Prep Date: 06/27/12

Metal	MC11739-4 Original MSD		Spikelot HGRWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	3.0	3	100.0	3.4	20

Associated samples MP19235: MC11739-1, MC11739-2, MC11739-3, MC11739-4

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC11739
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19235
 Matrix Type: AQUEOUS

Methods: SW846 7470A
 Units: ug/l

Prep Date: 06/27/12 06/27/12

Metal	BSP Result	Spikelot HGRWS1	% Rec	QC Limits	BSD Result	Spikelot HGRWS1	% Rec	BSD RPD	QC Limit
Mercury	3.0	3	100.0	80-120	2.9	3	96.7	3.4	20

Associated samples MP19235: MC11739-1, MC11739-2, MC11739-3, MC11739-4

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC11739
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19238
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/28/12

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	11	21	37.1	<200
Antimony	6.0	.68	1.7	0.90	<6.0
Arsenic	4.0	.83	1.9	-0.10	<4.0
Barium	50	.27	.65	0.40	<50
Beryllium	4.0	.14	.28	0.20	<4.0
Boron	100	.43	.59		
Cadmium	4.0	.09	.21	0.30	<4.0
Calcium	5000	12	17	99.6	<5000
Chromium	10	.63	1.1	0.10	<10
Cobalt	50	.13	.4	0.10	<50
Copper	25	.95	1.7	0.50	<25
Gold	50	1.4	2.7		
Iron	100	6.7	11	25.4	<100
Lead	5.0	.93	2.1	0.50	<5.0
Magnesium	5000	30	60	37.5	<5000
Manganese	15	.31	.54	0.50	<15
Molybdenum	100	.31	1.5		
Nickel	40	.23	.7	0.20	<40
Palladium	50	1.8	7.9		
Platinum	50	4.7	9.6		
Potassium	5000	42	190	-27	<5000
Selenium	10	1.5	2	-0.30	<10
Silicon	100	7.5	8.4		
Silver	5.0	.53	1.3	0.30	<5.0
Sodium	5000	27	40	10.0	<5000
Strontium	10	.23	.35		
Thallium	2.0	.8	1.4	0.20	<2.0
Tin	100	.39	.91		
Titanium	50	.53	1.1		
Tungsten	100	5.3	14		
Vanadium	10	.85	1.3	0.0	<10
Zinc	20	.33	4	3.0	<20

Associated samples MP19238: MC11739-1, MC11739-2, MC11739-3, MC11739-4

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC11739
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19238
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11739
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19238
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 06/28/12

Metal	MC11739-4 Original MS		Spikelot MPICP	% Rec	QC Limits
Aluminum	295	2420	2000	106.3	75-125
Antimony	0.0	492	500	98.4	75-125
Arsenic	0.0	501	500	100.2	75-125
Barium	41.3	2010	2000	98.4	75-125
Beryllium	0.0	515	500	103.0	75-125
Boron					
Cadmium	0.30	500	500	99.9	75-125
Calcium	93300	116000	25000	90.8	75-125
Chromium	1.0	510	500	101.8	75-125
Cobalt	0.40	467	500	93.3	75-125
Copper	0.0	494	500	98.8	75-125
Gold					
Iron	210	2200	2000	99.5	75-125
Lead	1.0	936	1000	93.5	75-125
Magnesium	42900	66800	25000	95.6	75-125
Manganese	42.4	531	500	97.7	75-125
Molybdenum					
Nickel	0.90	482	500	96.2	75-125
Palladium					
Platinum					
Potassium	2080	28000	25000	103.7	75-125
Selenium	2.0	481	500	95.8	75-125
Silicon					
Silver	0.0	208	200	104.0	75-125
Sodium	144000	163000	25000	76.0	75-125
Strontium					
Thallium	0.0	477	500	95.4	75-125
Tin					
Titanium					
Tungsten					
Vanadium	0.0	527	500	105.4	75-125
Zinc	8.9	492	500	96.6	75-125

Associated samples MP19238: MC11739-1, MC11739-2, MC11739-3, MC11739-4

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11739
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19238
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11739
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19238
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 06/28/12

Metal	MC11739-4 Original MSD		Spikelot MPICP	% Rec	MSD RPD	QC Limit
Aluminum	295	2420	2000	106.3	0.0	20
Antimony	0.0	492	500	98.4	0.0	20
Arsenic	0.0	504	500	100.8	0.6	20
Barium	41.3	2030	2000	99.4	1.0	20
Beryllium	0.0	509	500	101.8	1.2	20
Boron						
Cadmium	0.30	501	500	100.1	0.2	20
Calcium	93300	116000	25000	90.8	0.0	20
Chromium	1.0	510	500	101.8	0.0	20
Cobalt	0.40	468	500	93.5	0.2	20
Copper	0.0	492	500	98.4	0.4	20
Gold						
Iron	210	2230	2000	101.0	1.4	20
Lead	1.0	933	1000	93.2	0.3	20
Magnesium	42900	67300	25000	97.6	0.7	20
Manganese	42.4	526	500	96.7	0.9	20
Molybdenum						
Nickel	0.90	484	500	96.6	0.4	20
Palladium						
Platinum						
Potassium	2080	28100	25000	104.1	0.4	20
Selenium	2.0	483	500	96.2	0.4	20
Silicon						
Silver	0.0	208	200	104.0	0.0	20
Sodium	144000	164000	25000	80.0	0.6	20
Strontium						
Thallium	0.0	477	500	95.4	0.0	20
Tin						
Titanium						
Tungsten						
Vanadium	0.0	519	500	103.8	1.5	20
Zinc	8.9	494	500	97.0	0.4	20

Associated samples MP19238: MC11739-1, MC11739-2, MC11739-3, MC11739-4

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC11739
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19238
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC11739

Account: WESTILVH - Weston Solutions, Inc.

Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19238

Methods: SW846 6010C

Matrix Type: AQUEOUS

Units: ug/l

Prep Date:

06/28/12

Metal	BSP Result	Spikelot MPICP	% Rec	QC Limits
Aluminum	2260	2000	113.0	80-120
Antimony	487	500	97.4	80-120
Arsenic	494	500	98.8	80-120
Barium	1960	2000	98.0	80-120
Beryllium	512	500	102.4	80-120
Boron				
Cadmium	494	500	98.8	80-120
Calcium	25400	25000	101.6	80-120
Chromium	514	500	102.8	80-120
Cobalt	471	500	94.2	80-120
Copper	486	500	97.2	80-120
Gold				
Iron	2080	2000	104.0	80-120
Lead	955	1000	95.5	80-120
Magnesium	25400	25000	101.6	80-120
Manganese	490	500	98.0	80-120
Molybdenum				
Nickel	486	500	97.2	80-120
Palladium				
Platinum				
Potassium	25600	25000	102.4	80-120
Selenium	480	500	96.0	80-120
Silicon				
Silver	206	200	103.0	80-120
Sodium	25500	25000	102.0	80-120
Strontium				
Thallium	487	500	97.4	80-120
Tin				
Titanium				
Tungsten				
Vanadium	527	500	105.4	80-120
Zinc	493	500	98.6	80-120

Associated samples MP19238: MC11739-1, MC11739-2, MC11739-3, MC11739-4

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC11739
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19238
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC11739
 Account: WESTILVH - Weston Solutions, Inc.
 Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19238
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 06/28/12

Metal	MC11739-4 Original SDL 1:5		%DIF	QC Limits
Aluminum	295	330	11.7 (a)	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	0.00	0.00	NC	0-10
Barium	41.3	40.0	3.1	0-10
Beryllium	0.00	0.00	NC	0-10
Boron				
Cadmium	0.300	0.00	100.0(a)	0-10
Calcium	93300	91700	1.7	0-10
Chromium	1.00	0.00	100.0(a)	0-10
Cobalt	0.400	0.00	100.0(a)	0-10
Copper	0.00	0.00	NC	0-10
Gold				
Iron	210	206	2.2	0-10
Lead	1.00	0.00	100.0(a)	0-10
Magnesium	42900	41800	2.6	0-10
Manganese	42.4	42.6	0.5	0-10
Molybdenum				
Nickel	0.900	0.00	100.0(a)	0-10
Palladium				
Platinum				
Potassium	2080	2150	3.6	0-10
Selenium	2.00	0.00	100.0(a)	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium	144000	148000	2.6	0-10
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Tungsten				
Vanadium	0.00	0.00	NC	0-10
Zinc	8.90	43.0	383.1(a)	0-10

Associated samples MP19238: MC11739-1, MC11739-2, MC11739-3, MC11739-4

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC11739
Account: WESTILVH - Weston Solutions, Inc.
Project: Blackhawk Drive - BA, Forest Park, IL

QC Batch ID: MP19238
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

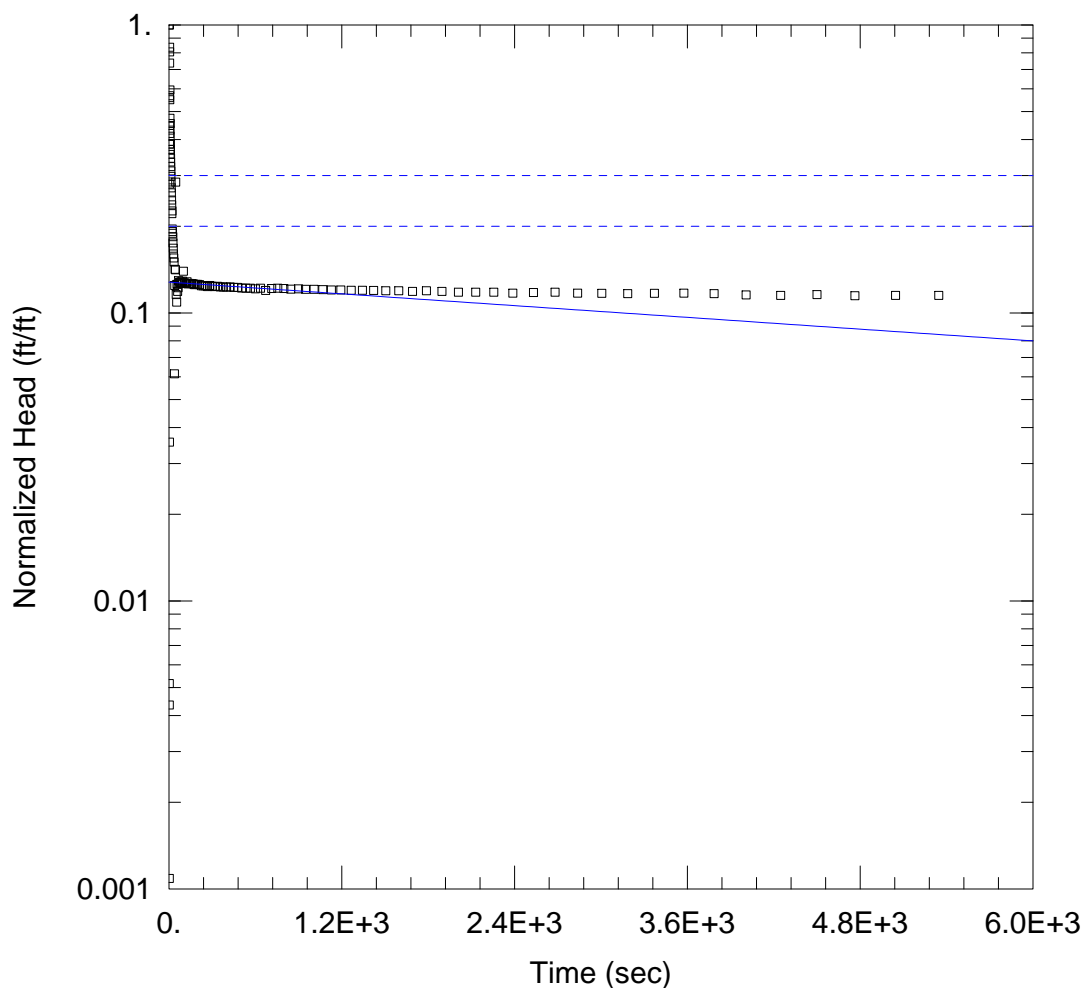
(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

7.2.4

7

APPENDIX E
AQUIFER TEST ANALYSES



FALLING HEAD TEST

Data Set: K:\...\MW01_Falling.aqt

Date: 07/24/12

Time: 13:16:25

PROJECT INFORMATION

Company: Weston

Client: U.S. EPA

Location: Park Forest, IL

Test Well: MW-01

Test Date: 7/3/12

AQUIFER DATA

Saturated Thickness: 11.61 ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-01)

Initial Displacement: 3.678 ft

Static Water Column Height: 11.61 ft

Total Well Penetration Depth: 11.61 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

$K = 3.119E-6$ cm/sec

$y_0 = 0.4705$ ft

Data Set: K:\EPA\EPA R5 START3\Site Files\Brownfields - Park Forest - Blackhawk\Field Files\Slug Test\MW01_F
 Title: Falling Head Test
 Date: 07/24/12
 Time: 13:28:54

PROJECT INFORMATION

Company: Weston
 Client: U.S. EPA
 Location: Park Forest, IL
 Test Date: 7/3/12
 Test Well: MW-01

AQUIFER DATA

Saturated Thickness: 11.61 ft
 Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: MW-01

X Location: 0. ft
 Y Location: 0. ft

Initial Displacement: 3.678 ft
 Static Water Column Height: 11.61 ft
 Casing Radius: 0.083 ft
 Well Radius: 0.083 ft
 Well Skin Radius: 0.33 ft
 Screen Length: 10. ft
 Total Well Penetration Depth: 11.61 ft

No. of Observations: 142

Observation Data			
Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
0.251	-0.002	94.8	0.474
0.501	-0.002	100.8	0.513
0.751	-0.001	106.8	0.468
1.009	-0.002	112.8	0.466
1.251	-0.002	119.4	0.465
1.501	-0.002	126.6	0.472
1.751	-0.003	134.4	0.464
2.001	-0.002	142.2	0.466
2.251	-0.002	150.6	0.465
2.501	-0.003	159.6	0.465
2.751	0.004	169.2	0.464
3.001	0.016	178.8	0.461
3.251	0.019	189.6	0.462
3.501	0.131	201.	0.462
3.751	1.418	213.	0.461
4.001	2.057	225.6	0.457
4.251	3.678	238.8	0.457
4.501	3.075	253.2	0.457
4.751	1.647	268.2	0.454
5.001	2.089	283.8	0.458
5.251	2.965	300.6	0.455
5.501	2.712	318.6	0.454
5.751	2.023	337.2	0.455
6.001	1.544	357.6	0.453
6.361	1.03	378.6	0.452
6.721	1.587	400.8	0.452
7.141	2.186	424.8	0.453
7.561	1.744	450.	0.451
7.981	1.306	476.4	0.451
8.461	1.51	504.6	0.449

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
9.001	1.671	534.6	0.448
9.481	1.358	566.4	0.448
10.08	1.361	600.	0.446
10.68	1.42	636.	0.448
11.28	1.23	672.	0.44
11.94	1.267	714.	0.447
12.66	1.185	756.	0.448
13.44	1.145	798.	0.447
14.22	1.096	846.	0.445
15.06	1.048	900.	0.446
15.96	0.999	948.	0.444
16.92	0.961	1008.	0.444
17.88	0.907	1068.	0.443
18.96	0.873	1128.	0.442
20.1	0.813	1194.	0.442
21.3	0.831	1266.	0.441
22.56	0.719	1344.	0.441
23.88	0.705	1422.	0.44
25.32	0.695	1506.	0.439
26.82	0.677	1596.	0.439
28.38	0.644	1692.	0.437
30.06	0.617	1788.	0.439
31.86	0.589	1896.	0.437
33.72	0.571	2010.	0.434
35.76	0.553	2130.	0.434
37.86	0.226	2256.	0.434
40.08	0.458	2388.	0.431
42.48	0.521	2532.	0.433
45.	0.519	2682.	0.434
47.64	1.047	2838.	0.431
50.46	0.426	3006.	0.43
53.46	0.401	3186.	0.429
56.64	0.462	3372.	0.43
60.	0.437	3576.	0.431
63.6	0.45	3786.	0.429
67.2	0.476	4008.	0.425
71.4	0.465	4248.	0.423
75.6	0.47	4500.	0.426
79.8	0.469	4764.	0.422
84.6	0.471	5046.	0.423
90.	0.468	5346.	0.423

SOLUTION

Slug Test
 Aquifer Model: Unconfined
 Solution Method: Bouwer-Rice
 $\ln(R_e/r_w)$: 3.792

VISUAL ESTIMATION RESULTSEstimated Parameters

Parameter	Estimate	
K	3.119E-6	cm/sec
y0	0.4705	ft

$$T = K \cdot b = 0.001104 \text{ cm}^2/\text{sec}$$

AUTOMATIC ESTIMATION RESULTSEstimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
K	1.53E-5	6.237E-6	+/- 1.233E-5	2.452	cm/sec
y0	0.8014	0.06303	+/- 0.1246	12.71	ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

$$T = K \cdot b = 0.005413 \text{ cm}^2/\text{sec}$$

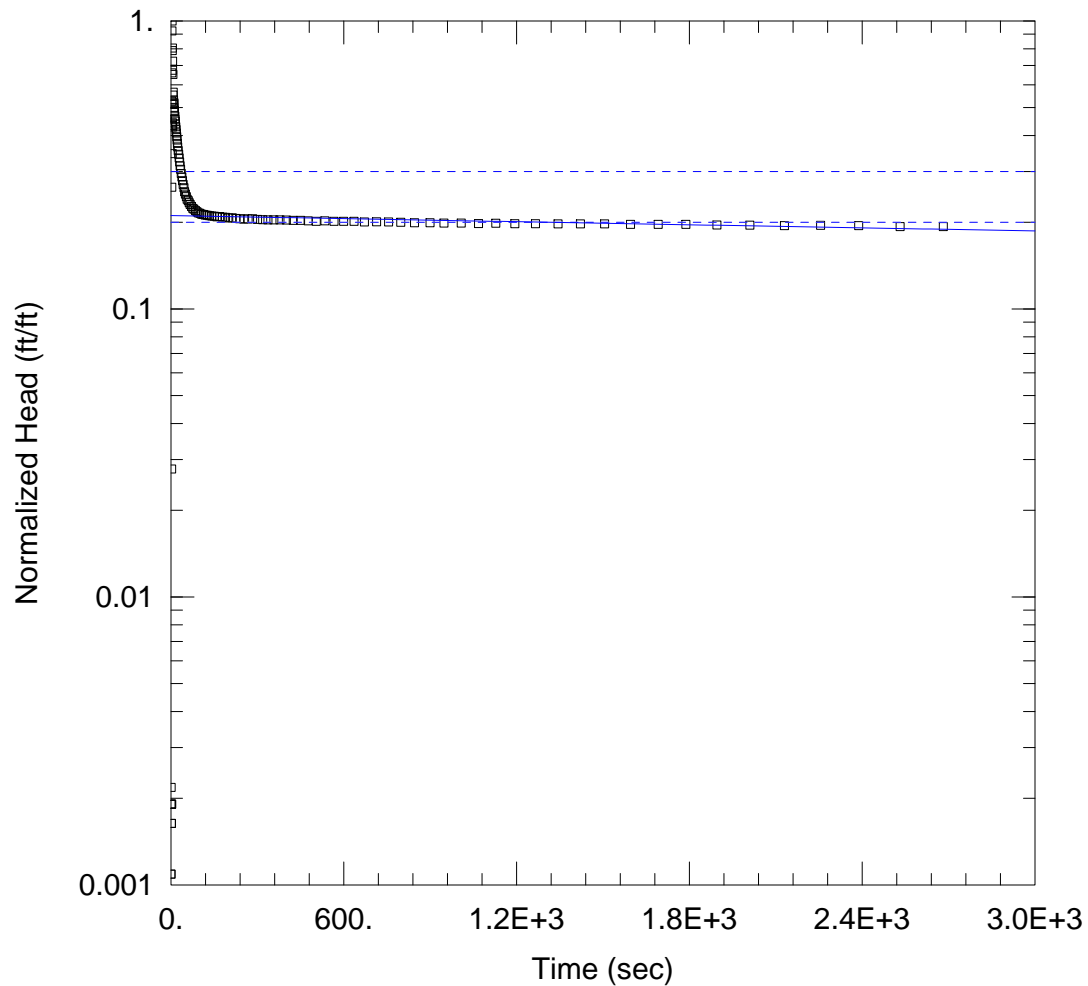
Parameter Correlations

	K	y0
K	1.00	0.41
y0	0.41	1.00

Residual Statistics

for weighted residuals

Sum of Squares 49.29 ft²
Variance 0.3521 ft²
Std. Deviation 0.5934 ft
Mean 0.009903 ft
No. of Residuals 142
No. of Estimates 2



RISING HEAD TEST

Data Set: K:\...\MW01_Rising.aqt
 Date: 07/24/12

Time: 13:24:17

PROJECT INFORMATION

Company: Weston
 Client: U.S. EPA
 Location: Park Forest, IL
 Test Well: MW-01
 Test Date: 7/3/12

AQUIFER DATA

Saturated Thickness: 11.61 ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-01)

Initial Displacement: -3.669 ft
 Total Well Penetration Depth: 11.61 ft
 Casing Radius: 0.083 ft

Static Water Column Height: 11.61 ft
 Screen Length: 10. ft
 Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Unconfined
 $K = 1.629E-6$ cm/sec

Solution Method: Bouwer-Rice
 $y_0 = -0.7739$ ft

Data Set: K:\EPA\EPA R5 START3\Site Files\Brownfields - Park Forest - Blackhawk\Field Files\Slug Test\MW01_R
 Title: Rising Head Test
 Date: 07/24/12
 Time: 13:24:28

PROJECT INFORMATION

Company: Weston
 Client: U.S. EPA
 Location: Park Forest, IL
 Test Date: 7/3/12
 Test Well: MW-01

AQUIFER DATA

Saturated Thickness: 11.61 ft
 Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: MW-01

X Location: 0. ft
 Y Location: 0. ft

Initial Displacement: -3.669 ft
 Static Water Column Height: 11.61 ft
 Casing Radius: 0.083 ft
 Well Radius: 0.083 ft
 Well Skin Radius: 0.33 ft
 Screen Length: 10. ft
 Total Well Penetration Depth: 11.61 ft

No. of Observations: 130

Observation Data			
Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
0.25	-0.004	67.2	-0.845
0.5	-0.004	71.4	-0.833
0.801	-0.008	75.6	-0.82
1.019	-0.007	79.8	-0.815
1.25	-0.006	85.02	-0.805
1.5	-0.007	90.	-0.798
1.75	-0.006	94.92	-0.791
2.	-0.007	100.8	-0.788
2.25	-0.007	106.8	-0.782
2.5	-0.007	112.8	-0.781
2.75	-0.102	119.4	-0.777
3.	-0.97	126.6	-0.776
3.25	-1.93	134.4	-0.773
3.5	-2.423	142.2	-0.771
3.75	-3.386	150.6	-0.77
4.	-3.669	159.6	-0.766
4.25	-1.592	169.2	-0.768
4.5	-1.269	178.8	-0.764
4.75	-2.895	189.6	-0.763
5.	-2.954	201.	-0.759
5.25	-1.57	213.	-0.76
5.5	-1.625	225.6	-0.756
5.75	-2.659	238.8	-0.754
6.	-2.472	253.2	-0.752
6.36	-1.587	268.2	-0.753
6.72	-2.392	283.8	-0.754
7.14	-1.882	300.6	-0.751
7.56	-2.027	318.6	-0.749
7.98	-2.074	337.2	-0.748
8.46	-1.886	357.6	-0.748

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
9.	-1.948	378.6	-0.748
9.48	-1.887	400.8	-0.747
10.08	-1.838	424.8	-0.745
10.68	-1.904	450.	-0.745
11.28	-1.773	476.4	-0.742
11.94	-1.795	505.	-0.739
12.66	-1.776	535.	-0.742
13.44	-1.713	566.4	-0.739
14.22	-1.673	600.	-0.739
15.06	-1.646	636.	-0.739
15.96	-1.611	672.	-0.735
16.92	-1.574	714.	-0.736
17.88	-1.538	756.	-0.735
18.96	-1.497	798.	-0.733
20.1	-1.454	846.	-0.731
21.3	-1.416	900.	-0.731
22.56	-1.378	948.	-0.729
23.88	-1.34	1008.	-0.729
25.32	-1.301	1068.	-0.726
26.82	-1.263	1128.	-0.728
28.38	-1.226	1194.	-0.725
30.06	-1.188	1266.	-0.725
31.86	-1.152	1344.	-0.724
33.72	-1.12	1422.	-0.724
35.76	-1.084	1506.	-0.724
37.86	-1.054	1596.	-0.721
40.08	-1.023	1692.	-0.721
42.48	-0.992	1788.	-0.721
45.	-0.967	1896.	-0.718
47.64	-0.936	2010.	-0.717
50.46	-0.919	2130.	-0.714
53.46	-0.9	2256.	-0.716
56.64	-0.882	2388.	-0.714
60.	-0.872	2532.	-0.709
63.84	-0.857	2682.	-0.709

SOLUTION

Slug Test
 Aquifer Model: Unconfined
 Solution Method: Bouwer-Rice
 $\ln(R_e/r_w)$: 3.792

VISUAL ESTIMATION RESULTSEstimated Parameters

Parameter	Estimate	
K	1.629E-6	cm/sec
y0	-0.7739	ft

$$T = K \cdot b = 0.0005765 \text{ cm}^2/\text{sec}$$

AUTOMATIC ESTIMATION RESULTSEstimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
K	2.585E-5	9.935E-6	+/- 1.966E-5	2.602	cm/sec
y0	0.01	0.1307	+/- 0.2587	0.0765	ft

C.I. is approximate 95% confidence interval for parameter
 t-ratio = estimate/std. error
 No estimation window

$$T = K \cdot b = 0.009148 \text{ cm}^2/\text{sec}$$

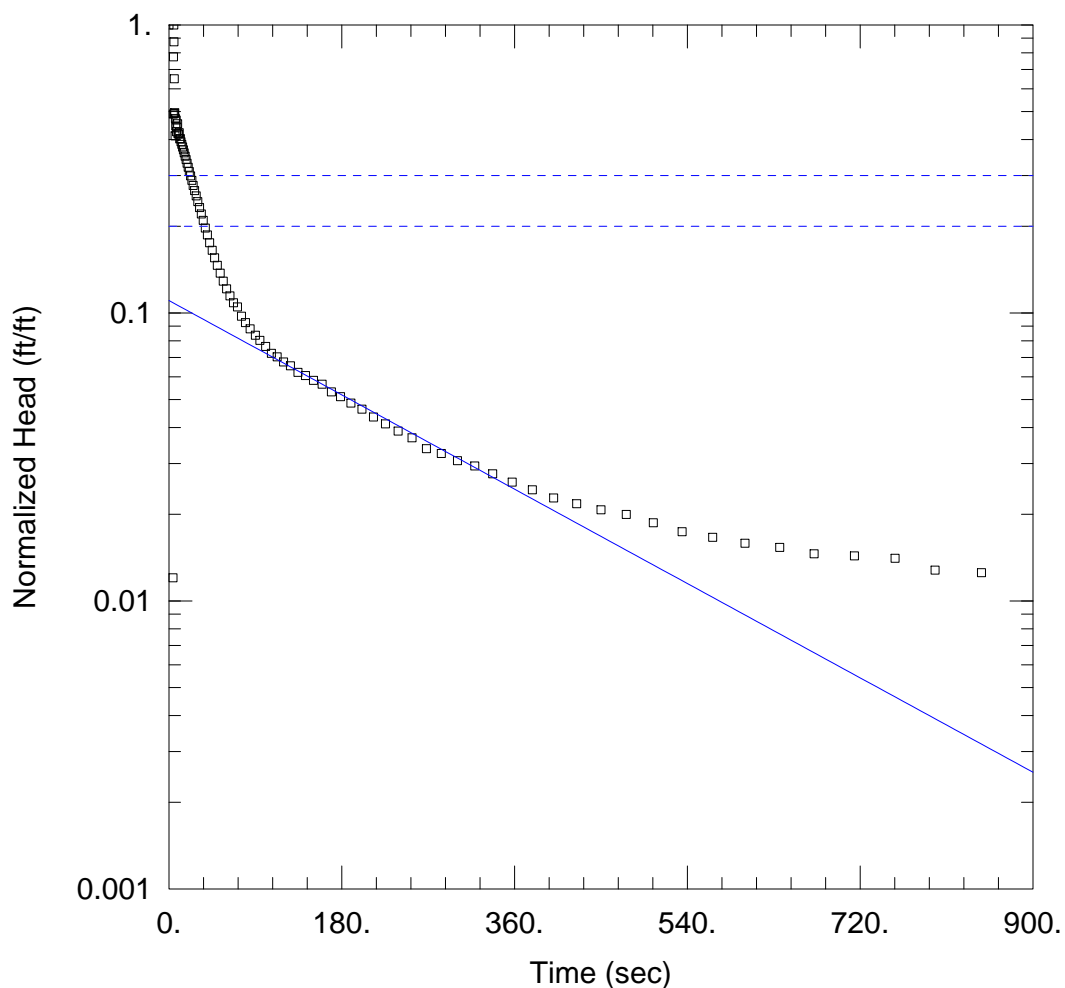
Parameter Correlations

	K	y0
K	1.00	-0.51
y0	-0.51	1.00

Residual Statistics

for weighted residuals

Sum of Squares 206.5 ft²
Variance 1.614 ft²
Std. Deviation 1.27 ft
Mean -1.068 ft
No. of Residuals 130
No. of Estimates 2



FALLING HEAD TEST

Data Set: K:\...\MW02_Falling.aqt

Date: 07/24/12

Time: 13:25:13

PROJECT INFORMATION

Company: Weston

Client: U.S. EPA

Location: Park Forest, IL

Test Well: MW-02

Test Date: 7/3/12

AQUIFER DATA

Saturated Thickness: 12.11 ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-02)

Initial Displacement: 3.909 ft

Static Water Column Height: 12.11 ft

Total Well Penetration Depth: 12.11 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

$K = 0.000168$ cm/sec

$y_0 = 0.4315$ ft

Data Set: K:\EPA\EPA R5 START3\Site Files\Brownfields - Park Forest - Blackhawk\Field Files\Slug Test\MW02_F
 Title: Falling Head Test
 Date: 07/24/12
 Time: 13:25:40

PROJECT INFORMATION

Company: Weston
 Client: U.S. EPA
 Location: Park Forest, IL
 Test Date: 7/3/12
 Test Well: MW-02

AQUIFER DATA

Saturated Thickness: 12.11 ft
 Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: MW-02

X Location: 0. ft
 Y Location: 0. ft

Initial Displacement: 3.909 ft
 Static Water Column Height: 12.11 ft
 Casing Radius: 0.083 ft
 Well Radius: 0.083 ft
 Well Skin Radius: 0.33 ft
 Screen Length: 10. ft
 Total Well Penetration Depth: 12.11 ft

No. of Observations: 110

Observation Data			
Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
0.25	-0.002	37.86	0.771
0.5	-0.002	40.08	0.729
0.75	-0.002	42.48	0.685
1.	-0.003	45.	0.645
1.25	-0.003	47.64	0.607
1.5	-0.003	50.46	0.572
1.75	-0.002	53.46	0.537
2.	-0.004	56.64	0.504
2.25	-0.003	60.	0.474
2.5	-0.003	63.6	0.448
2.75	-0.004	67.2	0.424
3.	-0.004	71.4	0.41
3.25	-0.004	75.6	0.381
3.5	-0.004	79.8	0.362
3.75	-0.003	84.6	0.344
4.	-0.003	90.	0.327
4.25	0.047	94.8	0.314
4.5	1.916	100.8	0.299
4.75	3.027	106.8	0.283
5.	3.909	112.8	0.275
5.25	3.417	119.4	0.264
5.5	2.541	126.6	0.256
5.751	1.926	134.4	0.243
6.001	1.939	142.2	0.237
6.36	1.61	150.6	0.228
6.72	1.848	159.6	0.221
7.14	1.743	169.2	0.208
7.56	1.828	178.8	0.2
7.98	1.665	189.6	0.19
8.46	1.725	201.	0.181

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
9.013	1.774	213.	0.17
9.48	1.638	225.6	0.161
10.08	1.633	238.8	0.152
10.68	1.652	253.2	0.144
11.28	1.571	268.2	0.132
11.94	1.575	283.8	0.127
12.66	1.535	300.6	0.12
13.44	1.504	318.6	0.115
14.22	1.474	337.2	0.108
15.06	1.44	357.6	0.101
15.96	1.405	378.6	0.095
16.92	1.369	400.8	0.089
17.88	1.333	424.8	0.085
18.96	1.293	450.	0.081
20.1	1.253	476.4	0.078
21.3	1.21	504.6	0.073
22.56	1.169	534.6	0.068
23.88	1.128	566.4	0.065
25.32	1.083	600.	0.062
26.82	1.04	636.2	0.06
28.38	0.996	672.	0.057
30.06	0.952	714.	0.056
31.86	0.908	756.4	0.055
33.72	0.862	798.	0.05
35.76	0.819	846.4	0.049

SOLUTION

Slug Test

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

ln(Re/rw): 3.819

VISUAL ESTIMATION RESULTSEstimated Parameters

Parameter	Estimate	
K	0.000168	cm/sec
y0	0.4315	ft

$$T = K \cdot b = 0.06202 \text{ cm}^2/\text{sec}$$

AUTOMATIC ESTIMATION RESULTSEstimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
K	0.0003617	0.0001223	+/- 0.0002423	2.958	cm/sec
y0	1.168	0.1128	+/- 0.2236	10.36	ft

C.I. is approximate 95% confidence interval for parameter

t-ratio = estimate/std. error

No estimation window

$$T = K \cdot b = 0.1335 \text{ cm}^2/\text{sec}$$

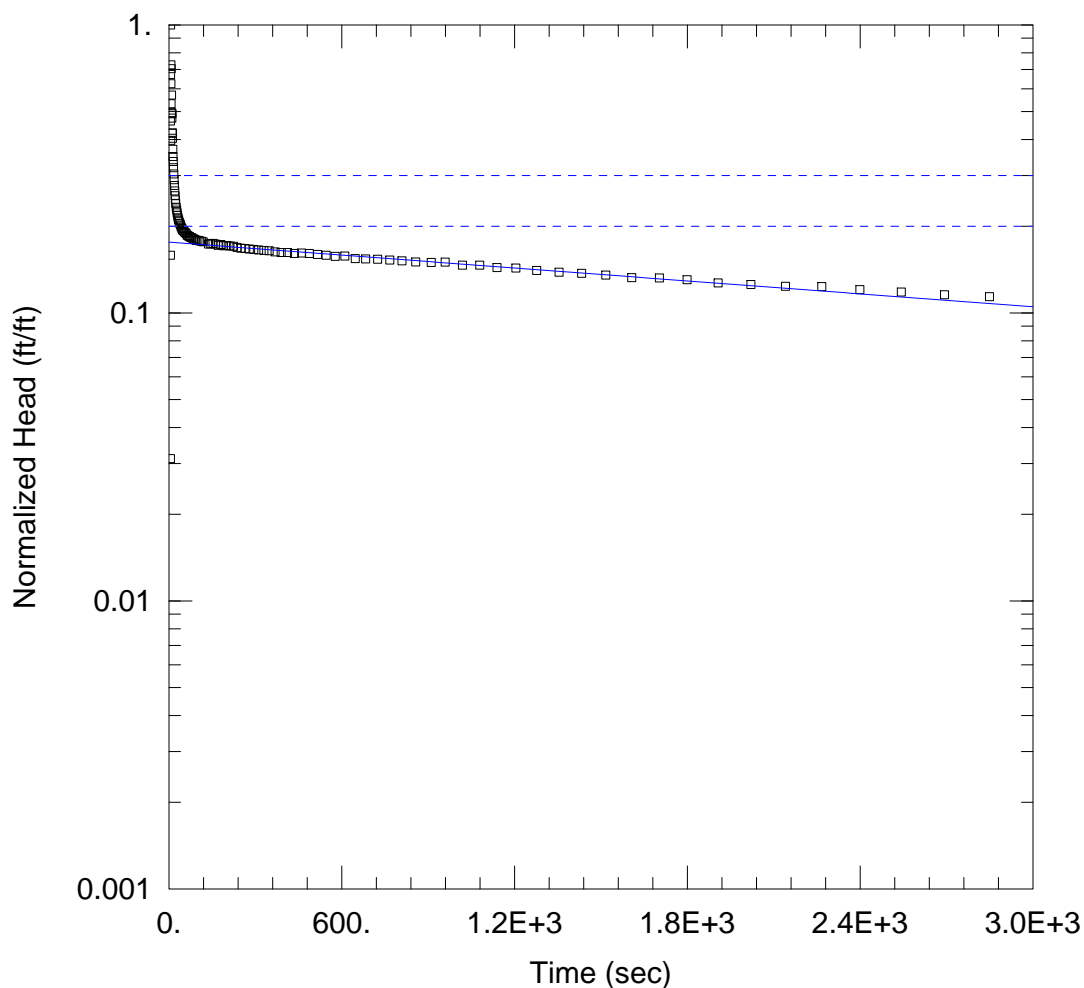
Parameter Correlations

	K	y0
K	1.00	0.56
y0	0.56	1.00

Residual Statistics

for weighted residuals

Sum of Squares 49.96 ft²
Variance 0.4626 ft²
Std. Deviation 0.6801 ft
Mean 0.00358 ft
No. of Residuals 110
No. of Estimates 2



RISING HEAD TEST

Data Set: K:\...\MW02_Rising.aqt

Date: 07/24/12

Time: 13:26:05

PROJECT INFORMATION

Company: Weston

Client: U.S. EPA

Location: Park Forest, IL

Test Well: MW-02

Test Date: 7/3/12

AQUIFER DATA

Saturated Thickness: 12.11 ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-02)

Initial Displacement: -3.046 ft

Static Water Column Height: 12.11 ft

Total Well Penetration Depth: 12.11 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

$K = 6.91E-6$ cm/sec

$y_0 = -0.5363$ ft

Data Set: K:\EPA\EPA R5 START3\Site Files\Brownfields - Park Forest - Blackhawk\Field Files\Slug Test\MW02_R
 Title: Rising Head Test
 Date: 07/24/12
 Time: 13:26:26

PROJECT INFORMATION

Company: Weston
 Client: U.S. EPA
 Location: Park Forest, IL
 Test Date: 7/3/12
 Test Well: MW-02

AQUIFER DATA

Saturated Thickness: 12.11 ft
 Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: MW-02

X Location: 0. ft
 Y Location: 0. ft

Initial Displacement: -3.046 ft
 Static Water Column Height: 12.11 ft
 Casing Radius: 0.083 ft
 Well Radius: 0.083 ft
 Well Skin Radius: 0.33 ft
 Screen Length: 10. ft
 Total Well Penetration Depth: 12.11 ft

No. of Observations: 131

Observation Data			
Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
0.25	0.001	71.4	-0.561
0.5	0.	75.6	-0.557
0.75	0.	79.8	-0.555
1.	-0.001	84.6	-0.551
1.25	0.	90.	-0.548
1.5	-0.001	94.8	-0.544
1.75	0.	100.8	-0.544
2.	-0.001	106.8	-0.542
2.25	-0.002	112.8	-0.54
2.5	-0.001	119.4	-0.538
2.75	-0.001	137.6	-0.528
3.	-0.002	145.4	-0.529
3.25	0.	153.2	-0.531
3.5	-0.002	161.6	-0.528
3.75	0.001	170.6	-0.523
4.	-0.001	180.2	-0.526
4.25	-0.003	189.8	-0.521
4.5	0.	200.6	-0.522
4.75	-0.003	212.	-0.52
5.	-0.095	224.	-0.519
5.25	-0.483	236.6	-0.514
5.5	-1.413	249.8	-0.511
5.75	-2.049	264.2	-0.51
6.	-3.046	279.2	-0.508
6.36	-1.211	294.8	-0.506
6.72	-1.903	311.6	-0.504
7.14	-2.213	329.6	-0.502
7.56	-1.622	348.2	-0.501
7.98	-2.147	368.6	-0.496
8.46	-1.509	389.6	-0.494

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
9.	-1.738	411.8	-0.494
9.48	-1.509	435.8	-0.49
10.08	-1.445	461.	-0.492
10.68	-1.496	487.4	-0.49
11.28	-1.281	515.6	-0.486
11.94	-1.286	545.6	-0.483
12.66	-1.23	577.4	-0.479
13.44	-1.126	611.	-0.48
14.22	-1.064	647.	-0.47
15.06	-1.022	683.	-0.469
15.96	-0.973	725.	-0.468
16.92	-0.925	767.	-0.465
17.88	-0.883	809.	-0.462
18.96	-0.844	857.	-0.458
20.1	-0.808	911.	-0.456
21.3	-0.777	959.	-0.457
22.56	-0.752	1019.	-0.446
23.88	-0.731	1079.	-0.446
25.32	-0.709	1139.	-0.438
26.82	-0.693	1205.	-0.436
28.38	-0.678	1277.	-0.428
30.07	-0.663	1355.	-0.422
31.86	-0.651	1433.	-0.418
33.72	-0.641	1517.	-0.412
35.76	-0.631	1607.	-0.404
37.86	-0.622	1703.	-0.403
40.08	-0.615	1799.	-0.397
42.48	-0.605	1907.	-0.387
45.	-0.598	2021.	-0.382
47.64	-0.591	2141.	-0.377
50.46	-0.588	2267.	-0.376
53.46	-0.582	2399.	-0.367
56.64	-0.579	2543.	-0.36
60.	-0.574	2693.	-0.352
63.6	-0.567	2849.	-0.347
67.2	-0.564		

SOLUTION

Slug Test
 Aquifer Model: Unconfined
 Solution Method: Bouwer-Rice
 $\ln(R_e/r_w)$: 3.819

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	6.91E-6	cm/sec
y0	-0.5363	ft

$$T = K \cdot b = 0.002551 \text{ cm}^2/\text{sec}$$

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
K	5.613E-5	1.375E-5	+/- 2.72E-5	4.082	cm/sec
y0	0.01	0.0857	+/- 0.1695	0.1167	ft

C.I. is approximate 95% confidence interval for parameter
 t-ratio = estimate/std. error
 No estimation window

$$T = K \cdot b = 0.02072 \text{ cm}^2/\text{sec}$$

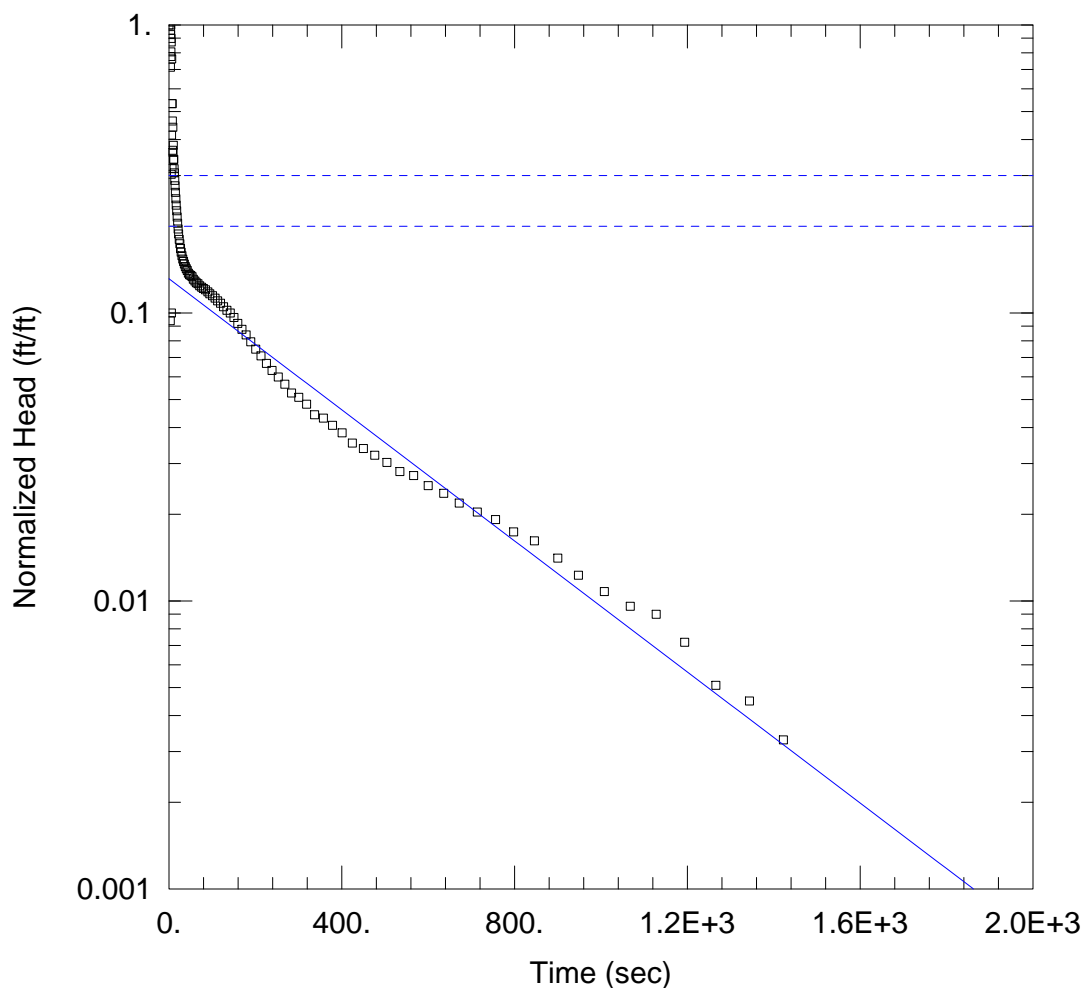
Parameter Correlations

	K	y0
K	1.00	-0.45
y0	-0.45	1.00

Residual Statistics

for weighted residuals

Sum of Squares 81.94 ft²
Variance 0.6352 ft²
Std. Deviation 0.797 ft
Mean -0.6159 ft
No. of Residuals 131
No. of Estimates 2



FALLING HEAD TEST

Data Set: K:\...\MW03_Falling.aqt

Date: 07/24/12

Time: 13:26:47

PROJECT INFORMATION

Company: Weston

Client: U.S. EPA

Location: Park Forest, IL

Test Well: MW-03

Test Date: 7/3/12

AQUIFER DATA

Saturated Thickness: 12.13 ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-03)

Initial Displacement: 3.34 ft

Static Water Column Height: 12.13 ft

Total Well Penetration Depth: 12.13 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

$K = 0.0005586$ cm/sec

$y_0 = 0.4388$ ft

Data Set: K:\EPA\EPA R5 START3\Site Files\Brownfields - Park Forest - Blackhawk\Field Files\Slug Test\MW03_F
 Title: Falling Head Test
 Date: 07/24/12
 Time: 13:27:09

PROJECT INFORMATION

Company: Weston
 Client: U.S. EPA
 Location: Park Forest, IL
 Test Date: 7/3/12
 Test Well: MW-03

AQUIFER DATA

Saturated Thickness: 12.13 ft
 Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: MW-03

X Location: 0. ft
 Y Location: 0. ft

Initial Displacement: 3.34 ft
 Static Water Column Height: 12.13 ft
 Casing Radius: 0.083 ft
 Well Radius: 0.083 ft
 Well Skin Radius: 0.33 ft
 Screen Length: 10. ft
 Total Well Penetration Depth: 12.13 ft

No. of Observations: 119

Observation Data			
Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
0.251	-0.001	50.46	0.451
0.501	-0.002	53.46	0.446
0.751	-0.004	56.64	0.437
1.001	-0.002	60.	0.431
1.251	-0.001	63.6	0.425
1.501	-0.003	67.2	0.422
1.751	-0.002	71.4	0.415
2.001	-0.001	75.6	0.41
2.251	-0.002	79.8	0.406
2.501	-0.001	84.6	0.402
2.751	-0.001	90.	0.395
3.001	0.002	94.8	0.389
3.251	0.314	100.8	0.383
3.501	2.38	106.8	0.376
3.751	3.09	112.8	0.368
4.001	3.203	119.4	0.361
4.251	3.34	126.6	0.351
4.501	2.691	134.4	0.341
4.751	2.594	142.2	0.334
5.001	2.999	150.6	0.322
5.251	2.915	159.6	0.307
5.501	1.012	169.2	0.293
5.751	0.334	178.8	0.28
6.001	1.384	189.6	0.265
6.361	2.546	201.	0.25
6.721	1.782	213.	0.237
7.141	1.061	225.6	0.223
7.561	1.779	238.8	0.211
7.981	1.549	253.2	0.2
8.461	1.226	268.2	0.189

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
9.001	1.474	283.8	0.176
9.481	1.205	300.6	0.17
10.08	1.275	318.6	0.161
10.68	1.141	337.2	0.148
11.28	1.14	357.6	0.144
11.94	1.058	378.6	0.136
12.66	1.023	400.8	0.128
13.44	0.964	424.8	0.118
14.22	0.923	450.	0.113
15.06	0.876	476.4	0.107
15.96	0.832	504.6	0.101
16.92	0.791	534.6	0.094
17.88	0.756	566.4	0.091
18.96	0.719	600.	0.084
20.1	0.684	636.	0.079
21.3	0.653	672.	0.073
22.56	0.628	714.	0.068
23.88	0.601	756.	0.064
25.32	0.581	798.	0.058
26.82	0.559	846.	0.054
28.38	0.543	900.	0.047
30.06	0.528	948.	0.041
31.86	0.514	1008.	0.036
33.72	0.504	1068.	0.032
35.76	0.494	1128.	0.03
37.86	0.484	1194.	0.024
40.08	0.476	1266.	0.017
42.48	0.469	1344.	0.015
45.	0.459	1422.4	0.011
47.64	0.453		

SOLUTION

Slug Test

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

ln(Re/rw): 20.31

VISUAL ESTIMATION RESULTS**Estimated Parameters**

Parameter	Estimate	
K	0.0005586	cm/sec
y0	0.4388	ft

$$T = K \cdot b = 0.2065 \text{ cm}^2/\text{sec}$$

AUTOMATIC ESTIMATION RESULTS**Estimated Parameters**

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
K	0.002626	0.0008646	+/- 0.001712	3.038	cm/sec
y0	1.158	0.1153	+/- 0.2282	10.05	ft

C.I. is approximate 95% confidence interval for parameter

t-ratio = estimate/std. error

No estimation window

$$T = K \cdot b = 0.9711 \text{ cm}^2/\text{sec}$$

Parameter Correlations

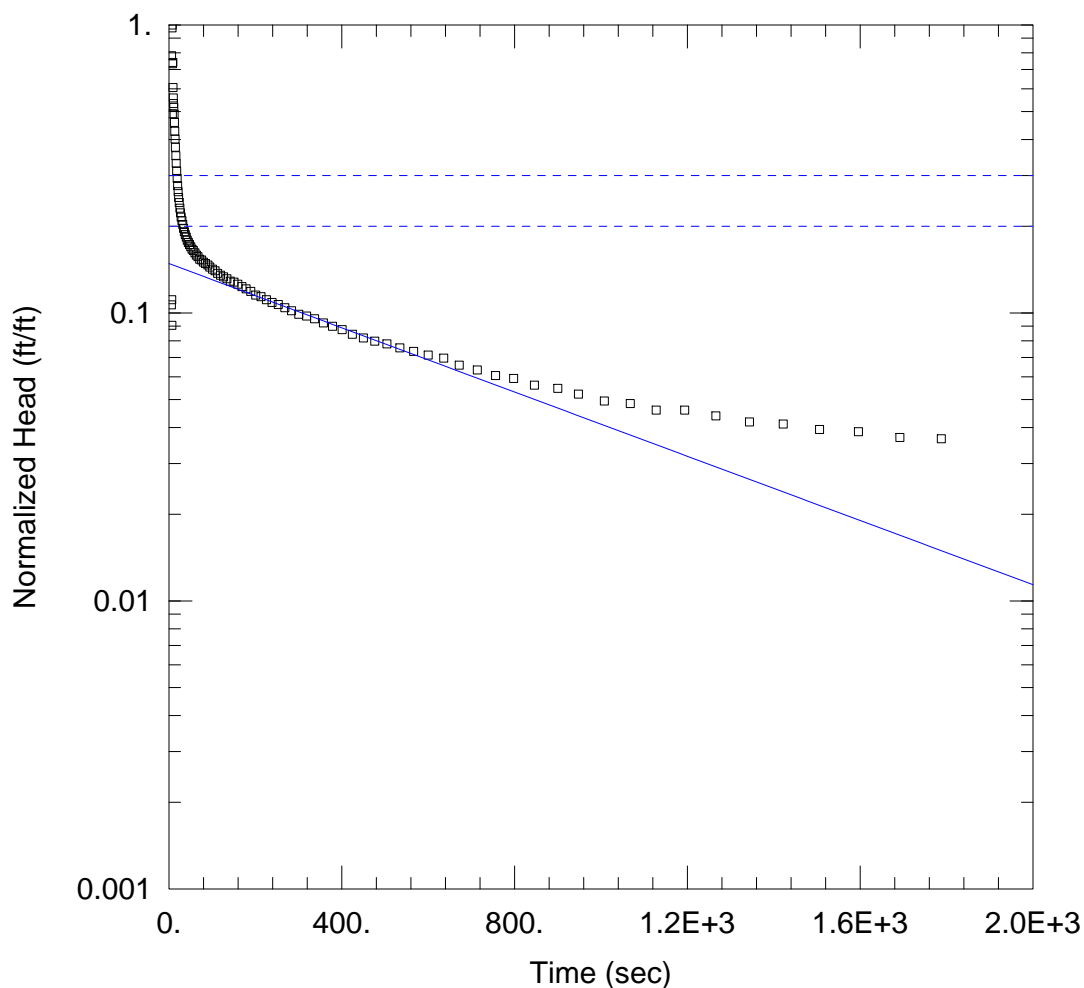
	K	y0
K	1.00	0.58

y0 0.58 1.00

Residual Statistics

for weighted residuals

Sum of Squares 49.14 ft²
Variance 0.42 ft²
Std. Deviation 0.6481 ft
Mean 0.02738 ft
No. of Residuals 119
No. of Estimates 2



RISNG HEAD TEST

Data Set: K:\...\MW03_Rising.aqt

Date: 07/24/12

Time: 13:27:28

PROJECT INFORMATION

Company: Weston

Client: U.S. EPA

Location: Park Forest, IL

Test Well: MW-03

Test Date: 7/3/12

AQUIFER DATA

Saturated Thickness: 12.13 ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-03)

Initial Displacement: -2.87 ft

Static Water Column Height: 12.13 ft

Total Well Penetration Depth: 12.13 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

$K = 0.0002737$ cm/sec

$y_0 = -0.4258$ ft

Data Set: K:\EPA\EPA R5 START3\Site Files\Brownfields - Park Forest - Blackhawk\Field Files\Slug Test\MW03_R
 Title: Risng Head Test
 Date: 07/24/12
 Time: 13:27:51

PROJECT INFORMATION

Company: Weston
 Client: U.S. EPA
 Location: Park Forest, IL
 Test Date: 7/3/12
 Test Well: MW-03

AQUIFER DATA

Saturated Thickness: 12.13 ft
 Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: MW-03

X Location: 0. ft
 Y Location: 0. ft

Initial Displacement: -2.87 ft
 Static Water Column Height: 12.13 ft
 Casing Radius: 0.083 ft
 Well Radius: 0.083 ft
 Well Skin Radius: 0.33 ft
 Screen Length: 10. ft
 Total Well Penetration Depth: 12.13 ft

No. of Observations: 123

Observation Data			
Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
0.25	0.	56.64	-0.473
0.5	0.001	60.	-0.464
0.75	0.	63.6	-0.456
1.	0.	67.2	-0.45
1.25	0.001	71.4	-0.441
1.5	0.002	75.6	-0.438
1.75	0.	79.8	-0.431
2.	0.001	84.6	-0.426
2.25	-0.002	90.	-0.421
2.5	-0.001	94.8	-0.414
2.75	-0.001	100.8	-0.407
3.	0.001	106.8	-0.402
3.25	0.001	112.8	-0.394
3.5	0.001	119.4	-0.388
3.75	0.	126.6	-0.383
4.	0.001	134.4	-0.377
4.25	0.002	142.2	-0.37
4.5	-0.001	150.6	-0.367
4.75	0.	159.6	-0.361
5.	0.	169.2	-0.354
5.25	0.	178.8	-0.348
5.5	-0.001	189.6	-0.341
5.75	-0.306	201.	-0.331
6.	-2.243	213.	-0.327
6.36	-0.319	225.6	-0.319
6.72	-0.26	238.8	-0.312
7.14	-2.804	253.2	-0.307
7.56	-2.87	268.2	-0.299
7.98	-1.41	283.8	-0.292
8.46	-2.105	300.6	-0.284

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
9.	-2.127	318.6	-0.28
9.48	-1.74	337.2	-0.274
10.08	-1.6	357.6	-0.265
10.68	-1.53	378.6	-0.258
11.28	-1.484	400.8	-0.251
11.94	-1.407	424.8	-0.242
12.66	-1.316	450.	-0.235
13.44	-1.227	476.4	-0.229
14.22	-1.152	504.6	-0.224
15.06	-1.079	534.6	-0.217
15.96	-1.009	566.4	-0.211
16.92	-0.948	600.	-0.205
17.88	-0.893	636.	-0.2
18.96	-0.841	672.	-0.189
20.1	-0.794	714.	-0.182
21.3	-0.756	756.	-0.174
22.56	-0.722	798.	-0.17
23.88	-0.693	846.	-0.161
25.32	-0.663	900.	-0.157
26.82	-0.639	948.	-0.15
28.38	-0.617	1008.	-0.142
30.06	-0.6	1068.	-0.139
31.86	-0.582	1128.	-0.132
33.72	-0.564	1194.	-0.132
35.76	-0.549	1266.	-0.126
37.86	-0.537	1344.	-0.12
40.08	-0.526	1422.	-0.118
42.48	-0.513	1506.	-0.113
45.	-0.504	1596.	-0.111
47.64	-0.496	1692.	-0.106
50.46	-0.487	1788.	-0.105
53.46	-0.478		

SOLUTION

Slug Test

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

ln(Re/rw): 20.31

VISUAL ESTIMATION RESULTSEstimated Parameters

Parameter	Estimate	
K	0.0002737	cm/sec
y0	-0.4258	ft

$$T = K \cdot b = 0.1012 \text{ cm}^2/\text{sec}$$

AUTOMATIC ESTIMATION RESULTSEstimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
K	0.000507	0.0002223	+/- 0.0004401	2.281	cm/sec
y0	-0.6561	0.06862	+/- 0.1359	-9.561	ft

C.I. is approximate 95% confidence interval for parameter

t-ratio = estimate/std. error

No estimation window

$$T = K \cdot b = 0.1875 \text{ cm}^2/\text{sec}$$

Parameter Correlations

	K	y0
K	1.00	-0.48
y0	-0.48	1.00

Residual Statistics

for weighted residuals

Sum of Squares	33.19 ft ²
Variance	0.2743 ft ²
Std. Deviation	0.5237 ft
Mean	-0.008746 ft
No. of Residuals	123
No. of Estimates	2